

FIG. 1

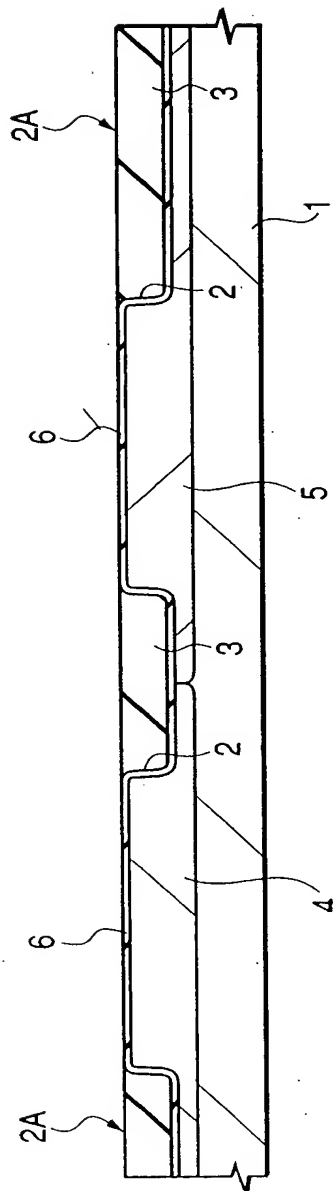


FIG. 2

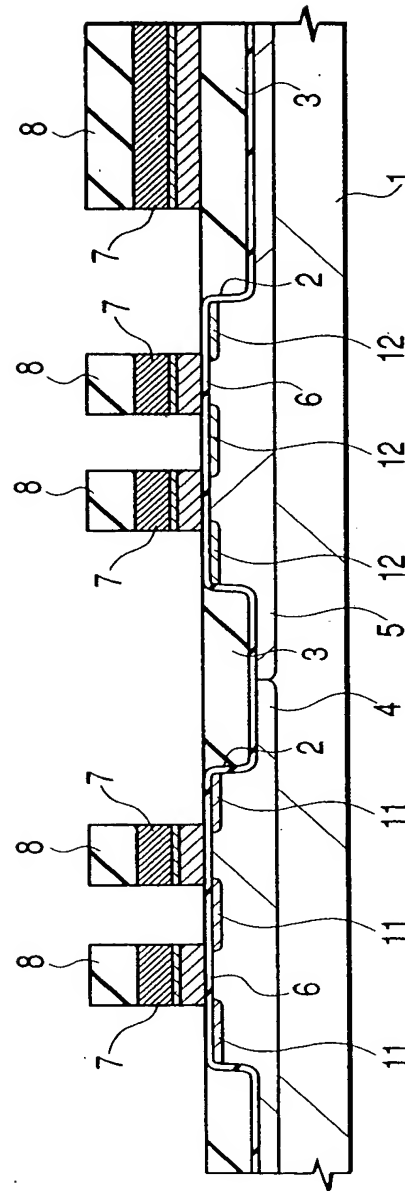


FIG. 3

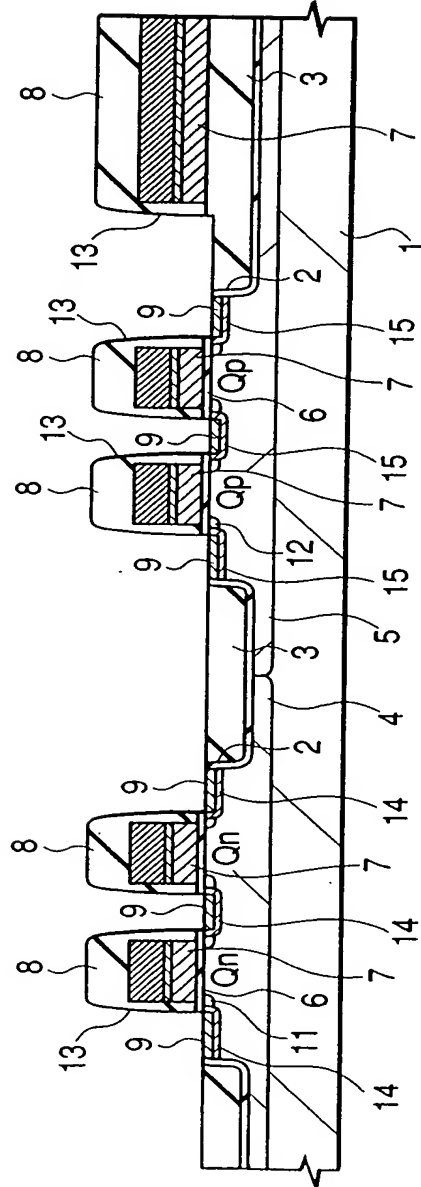


FIG. 4

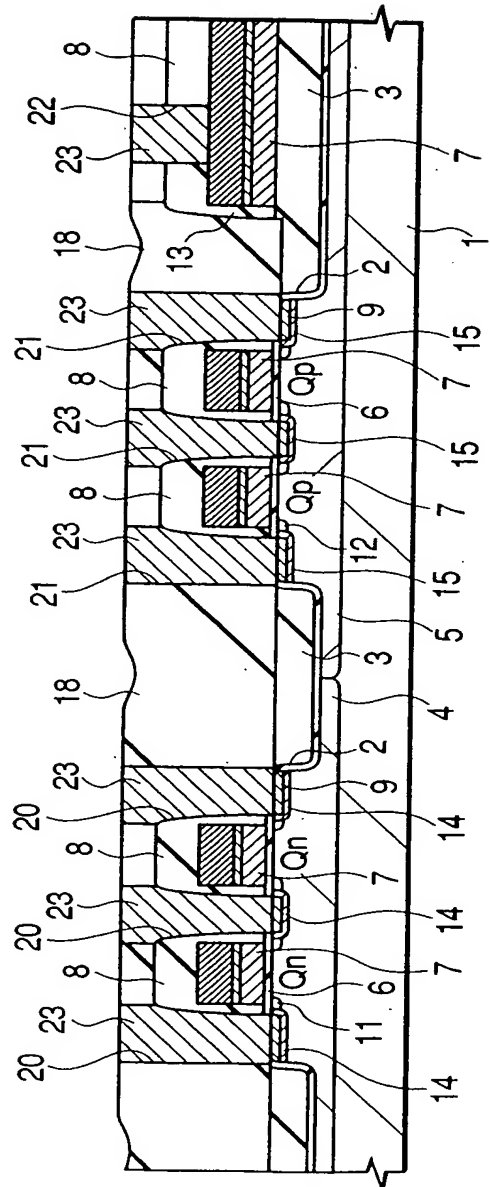
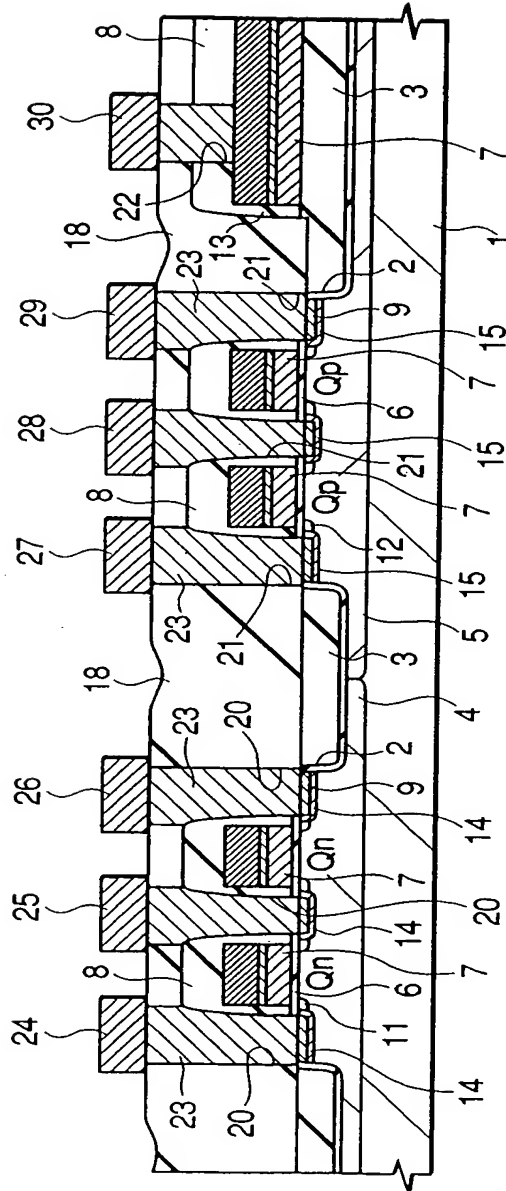


FIG. 5





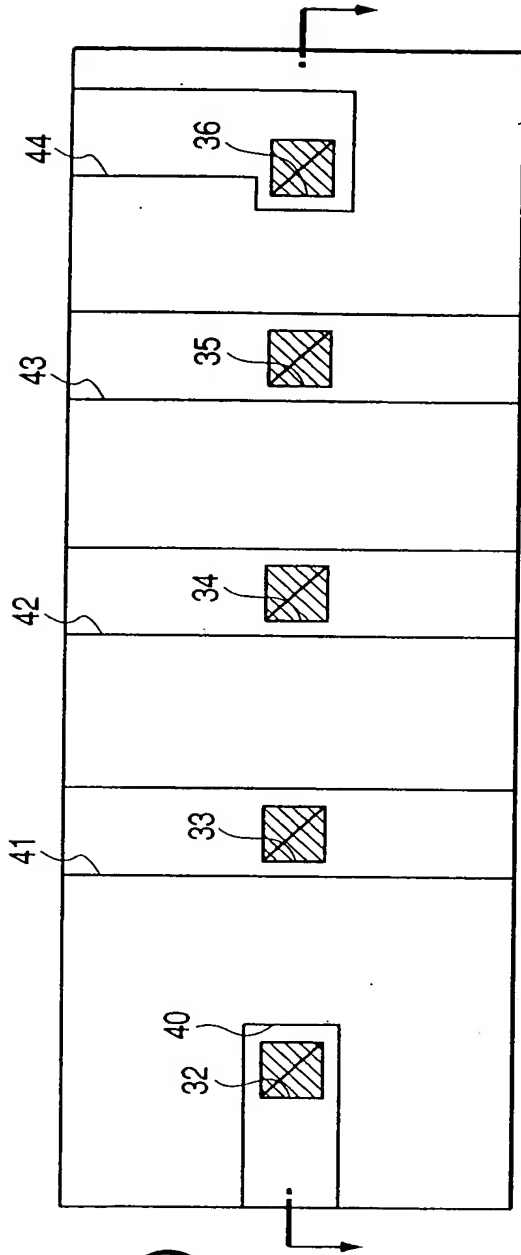


FIG. 7(a)

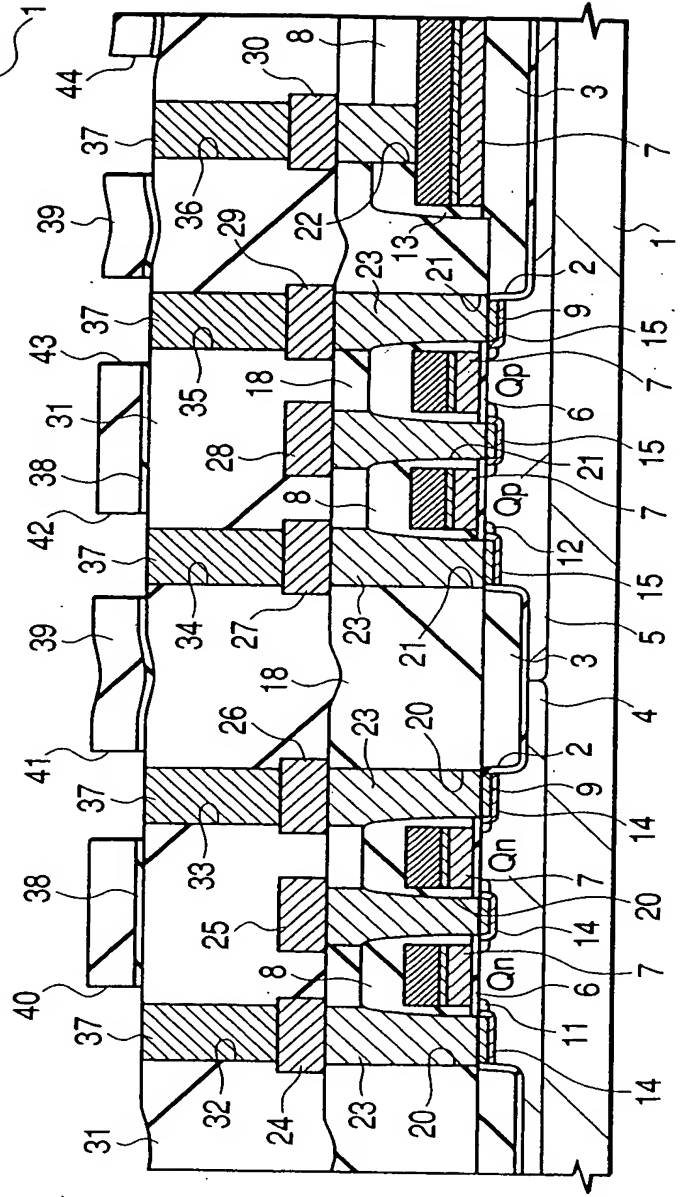


FIG. 7(b)

FIG. 8

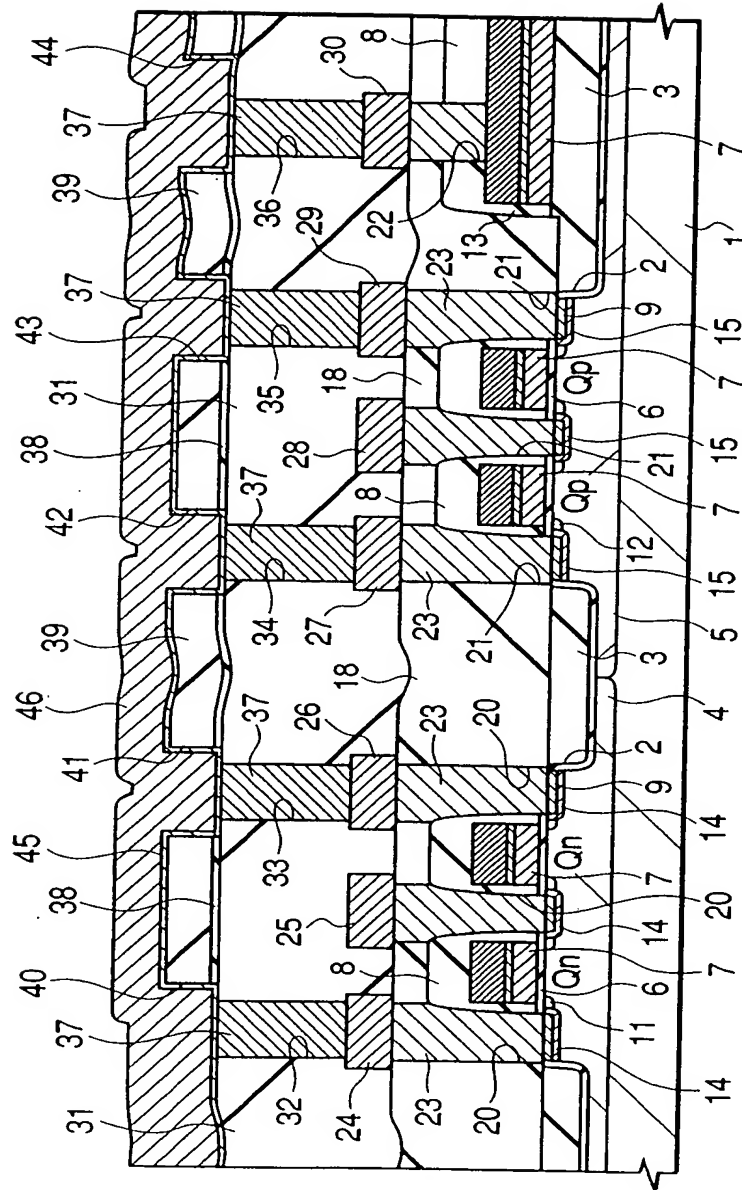


FIG. 9

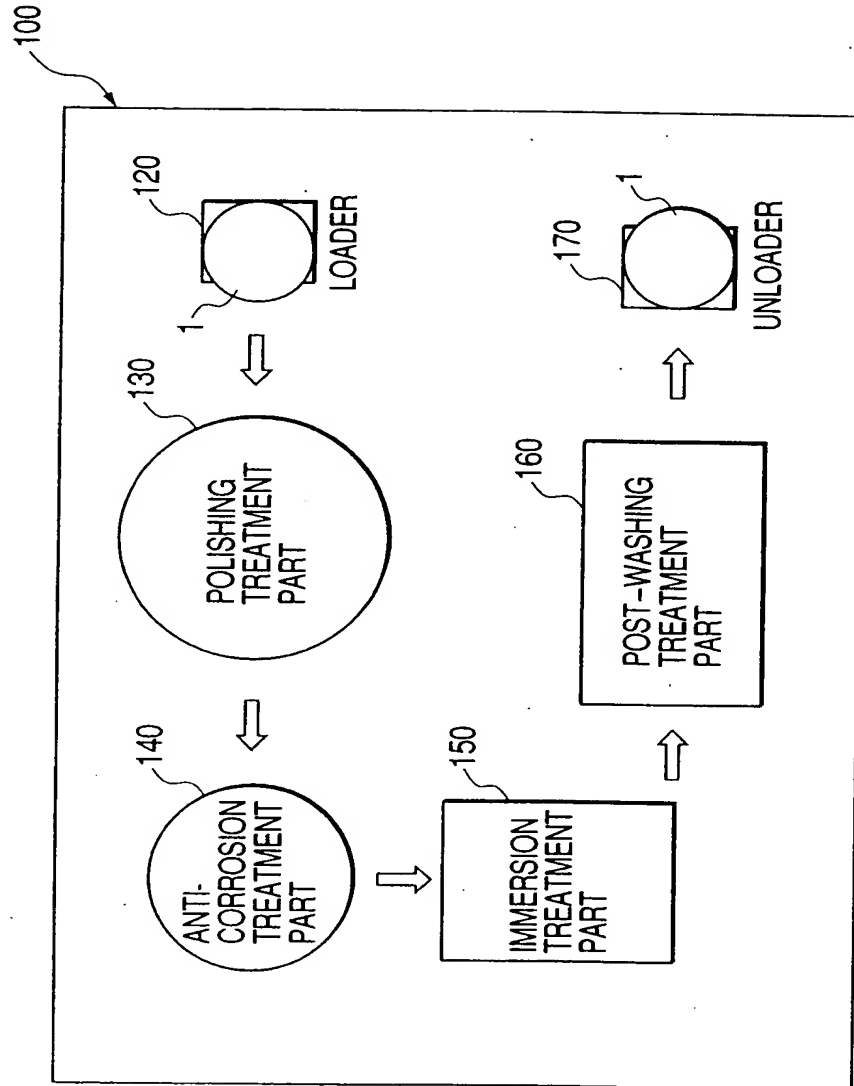


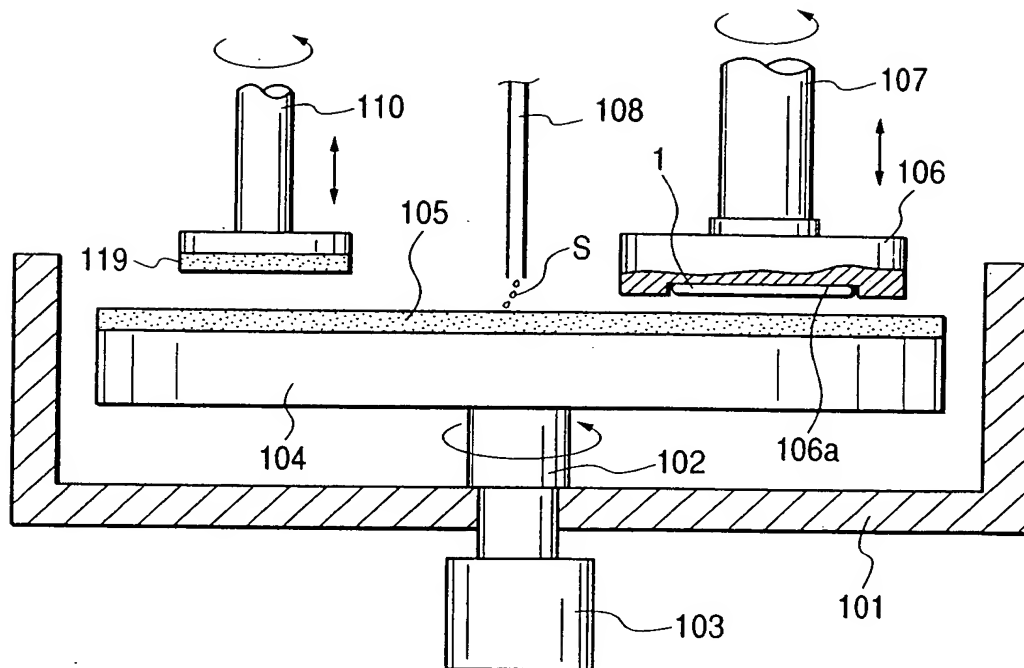
FIG. 10

FIG. 11

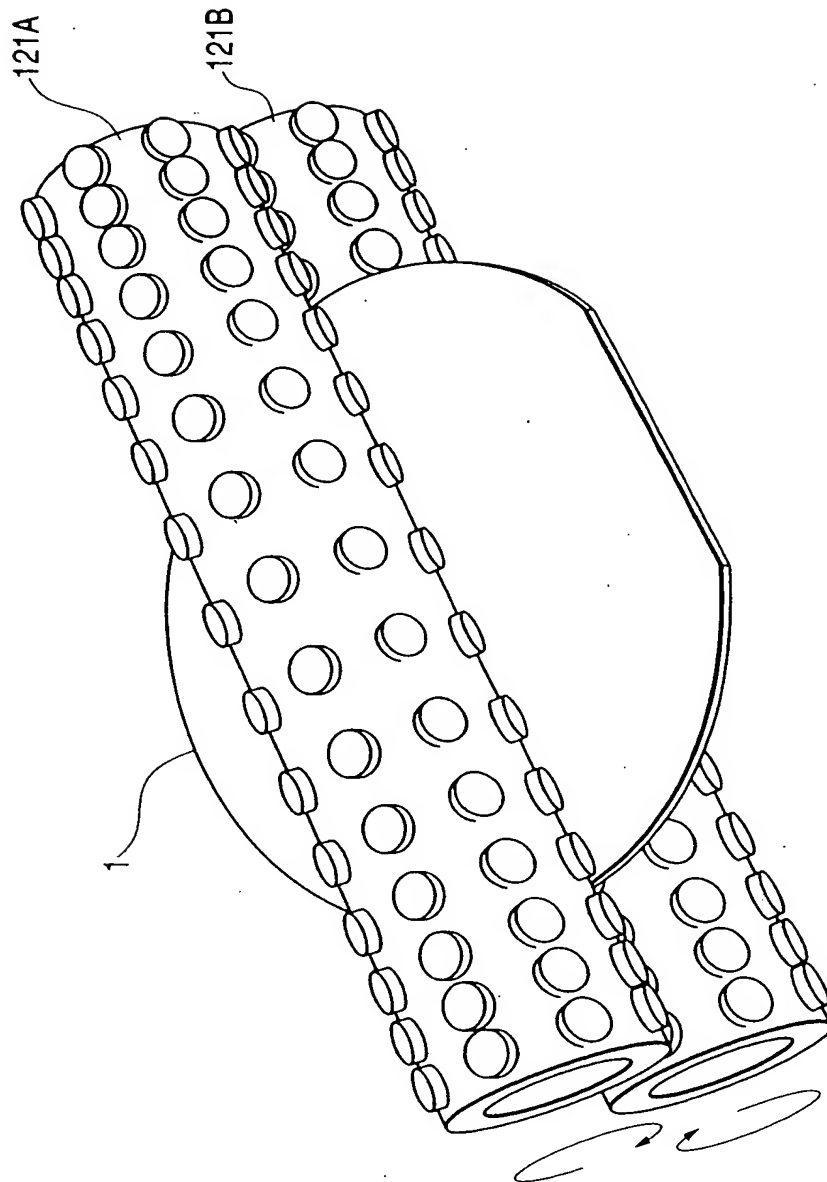


FIG. 12

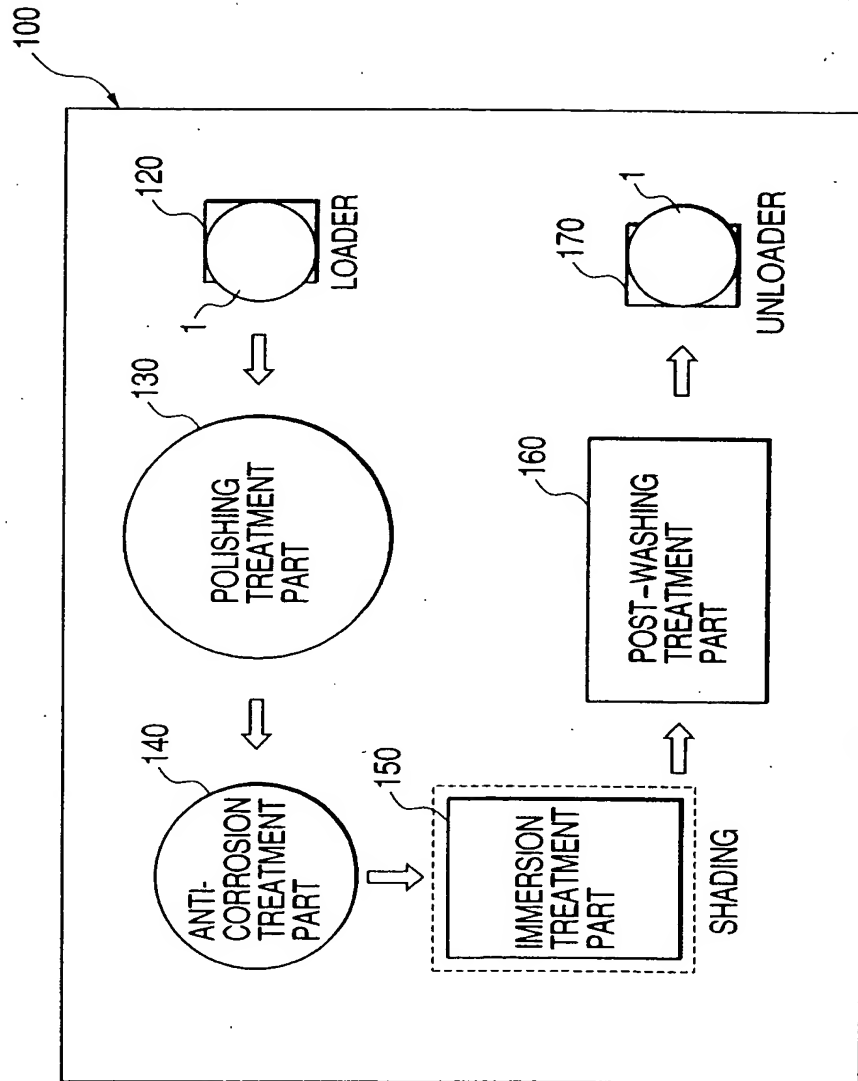


FIG. 13

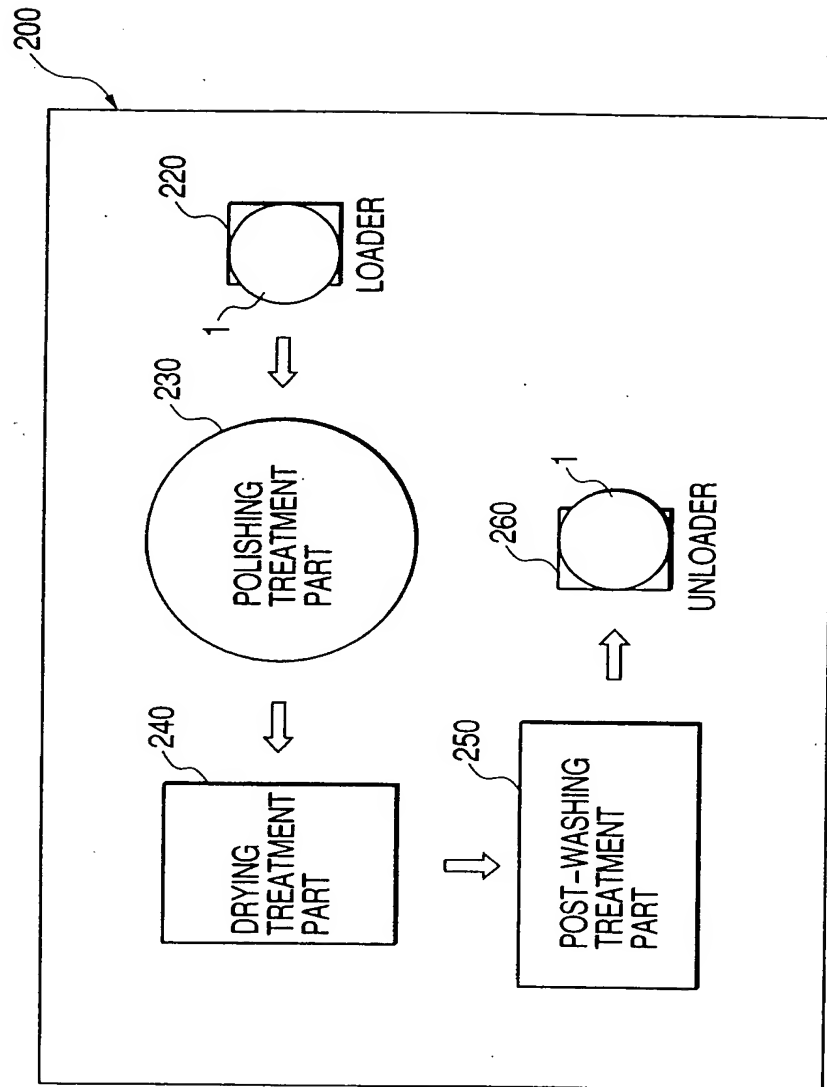


FIG. 14

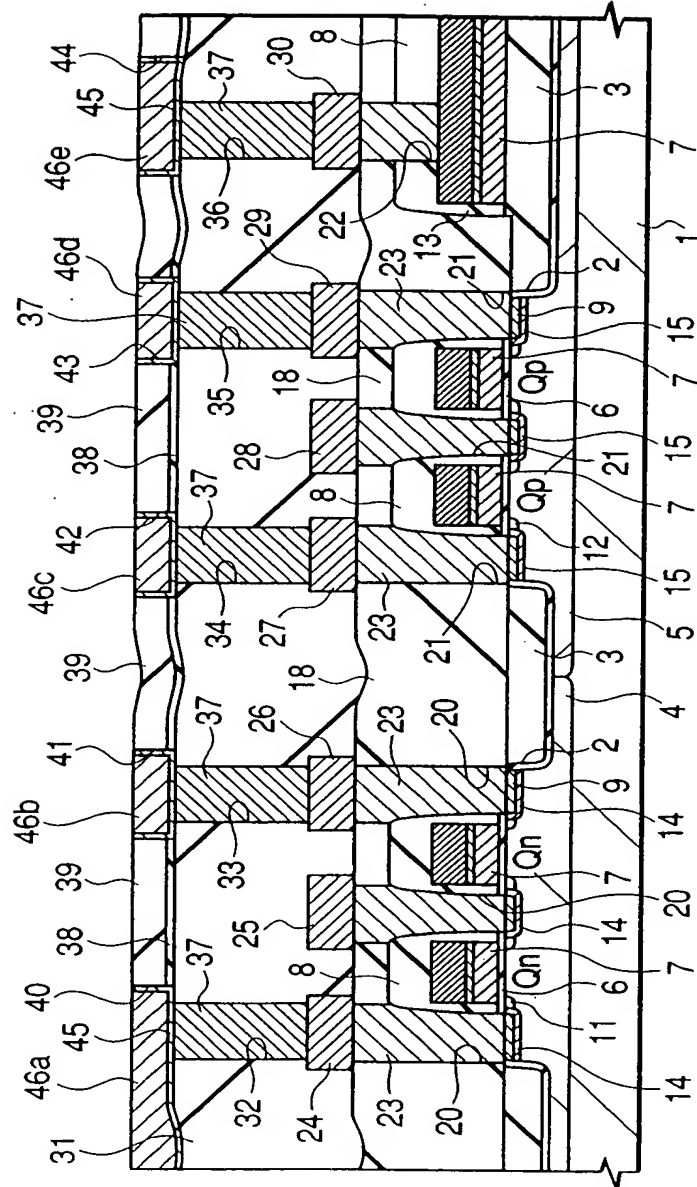


FIG. 15(b)

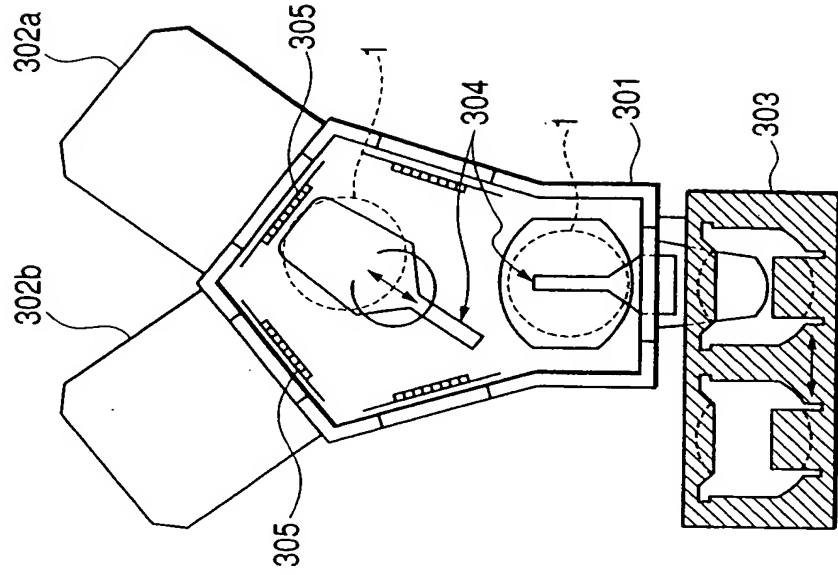


FIG. 15(a)

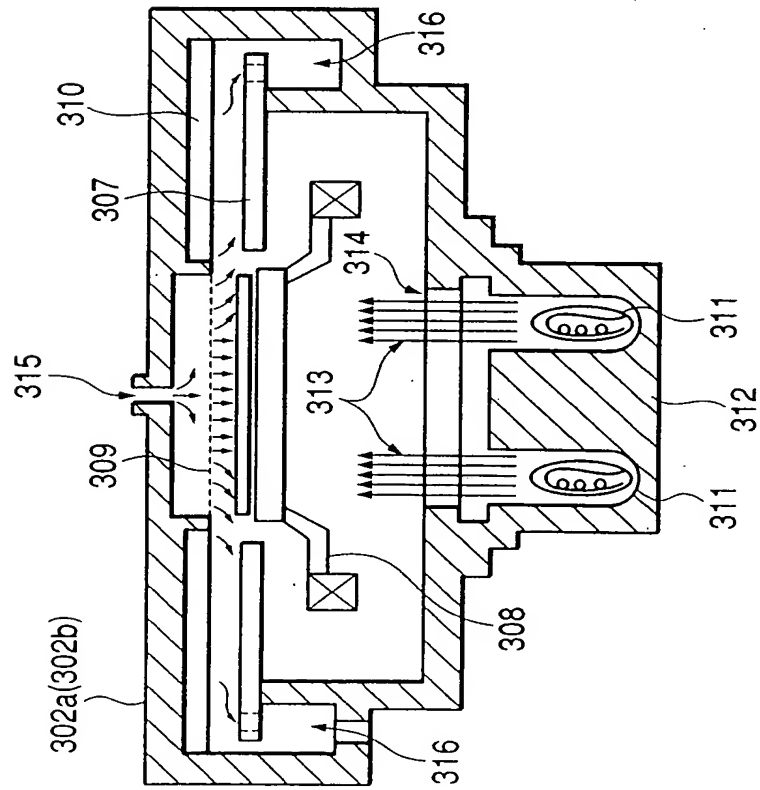


FIG. 16

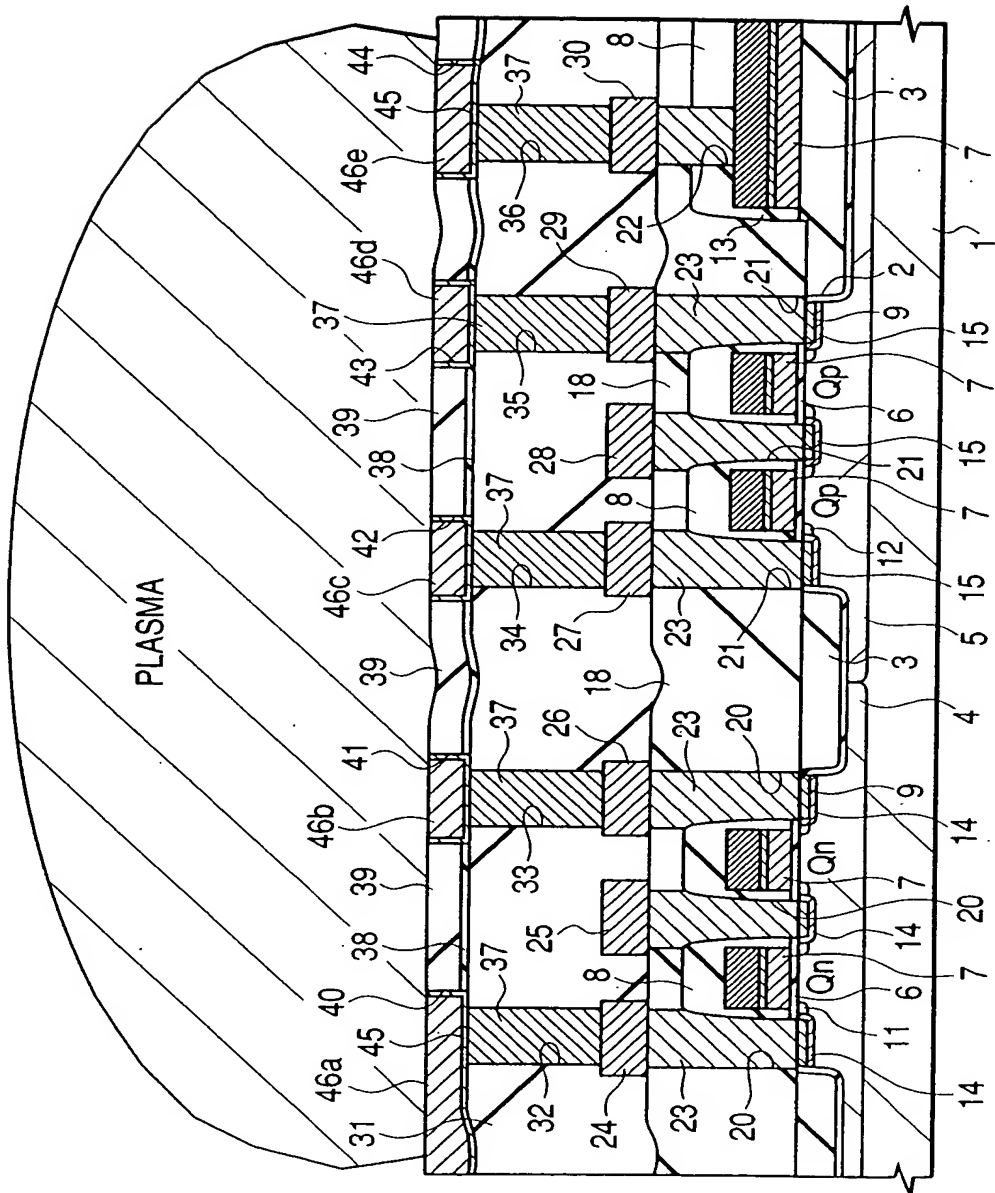


FIG. 17

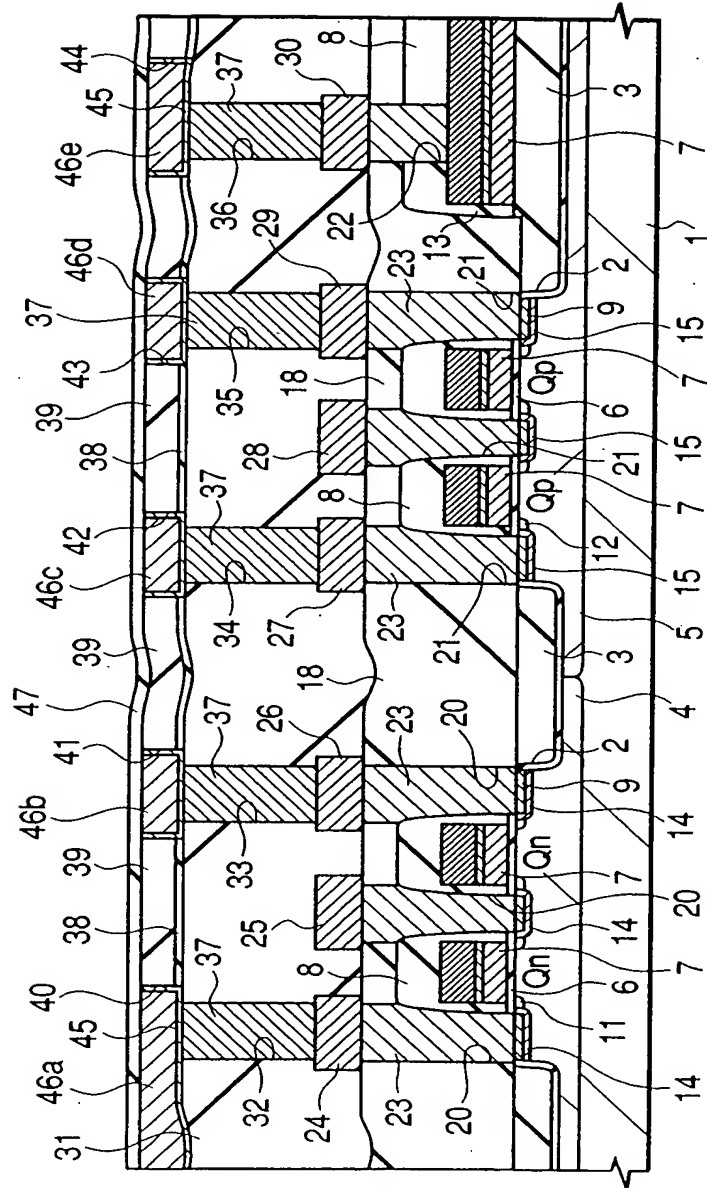


FIG. 18

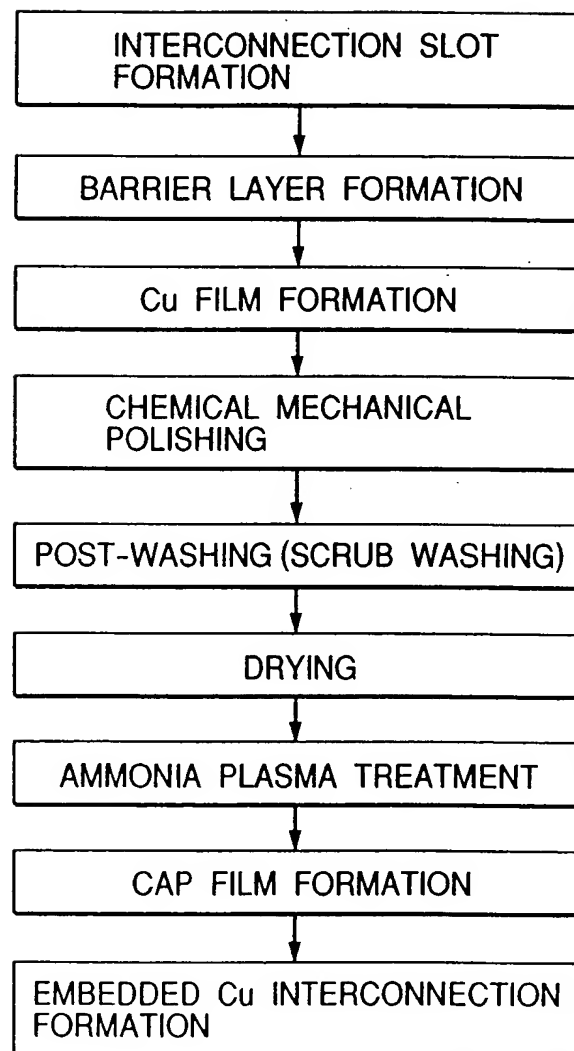


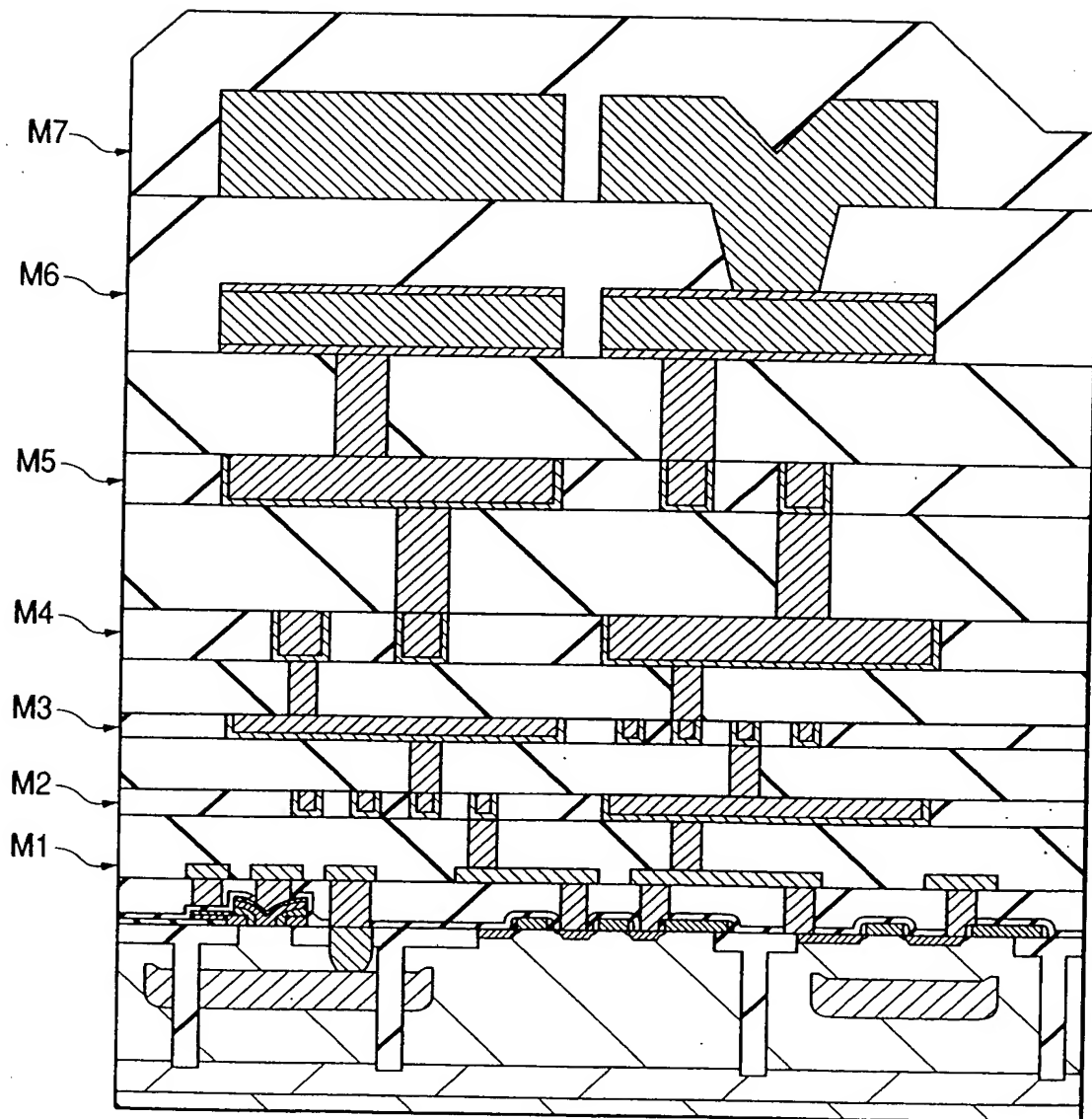
FIG. 19

FIG. 20

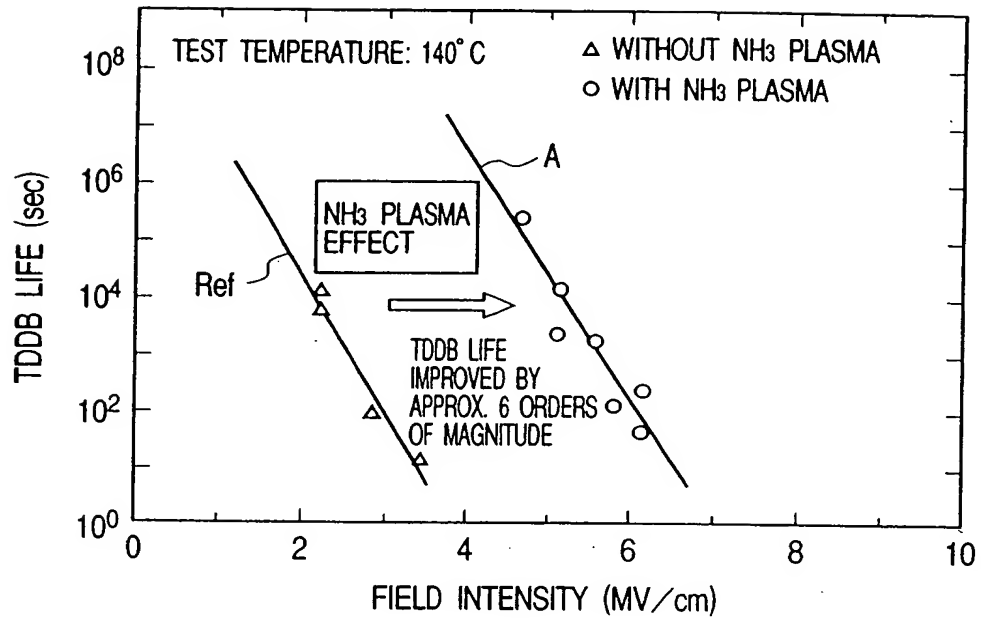


FIG. 21

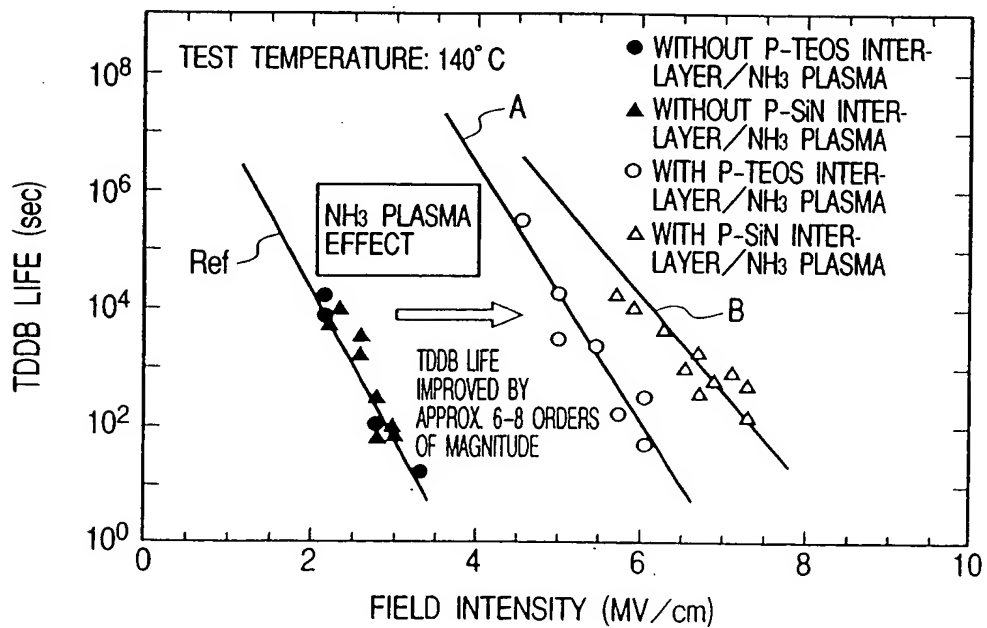


FIG. 22(a)

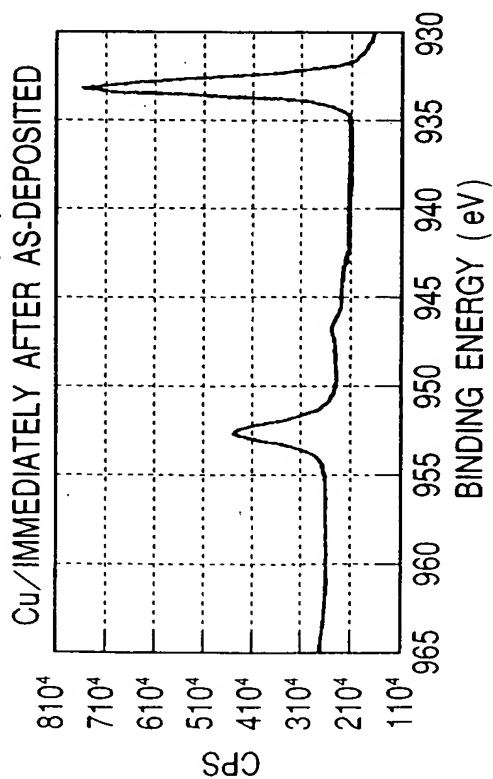


FIG. 22(b)

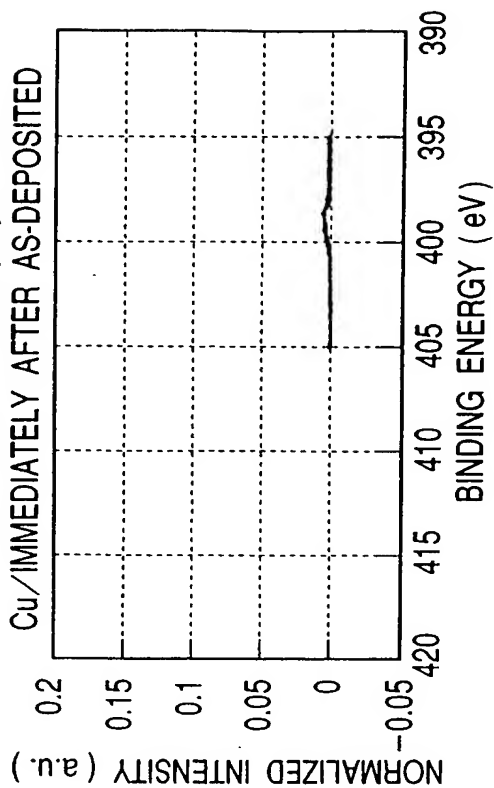


FIG. 22(c)

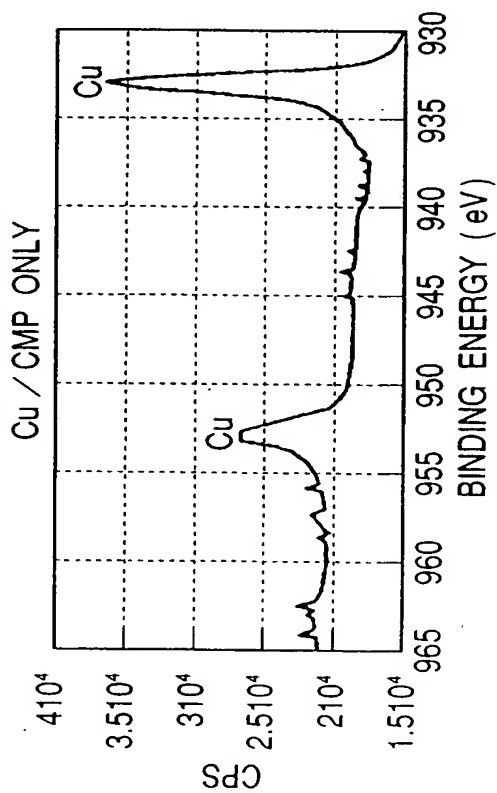


FIG. 22(d)

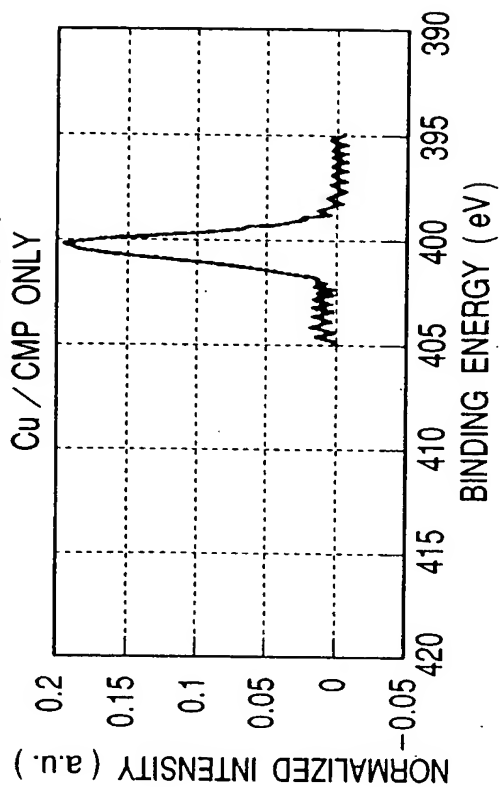


FIG. 23(a)

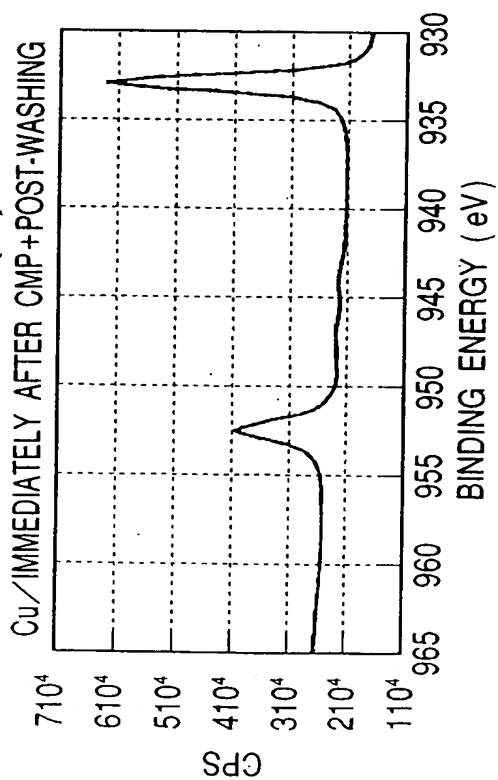


FIG. 23(b)

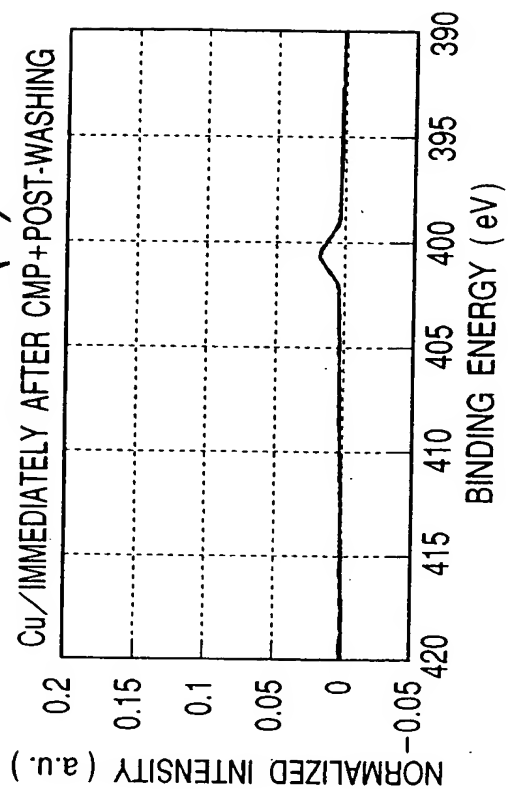


FIG. 23(c)

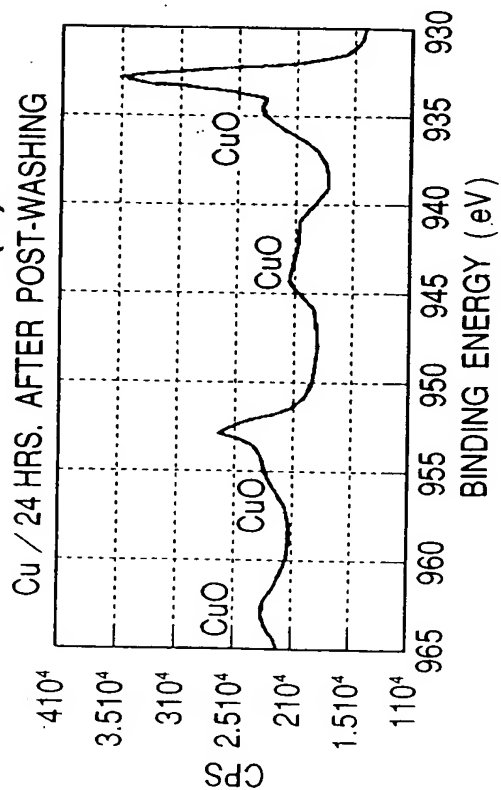


FIG. 23(d)

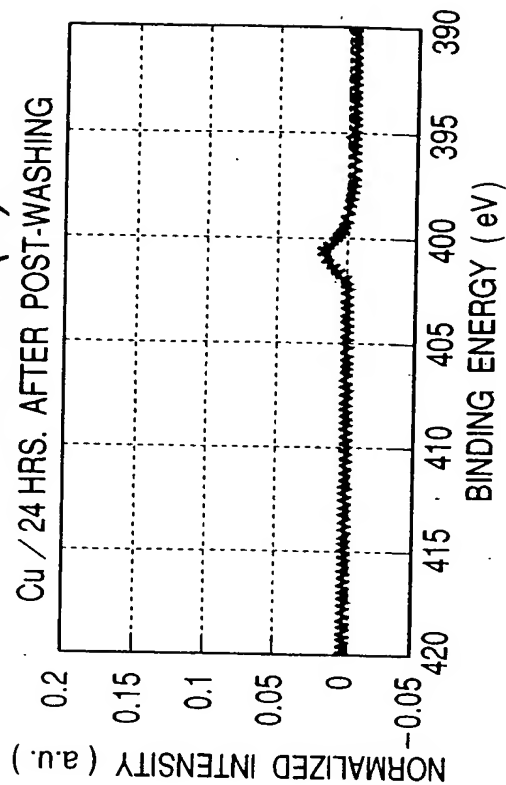


FIG. 24(a)

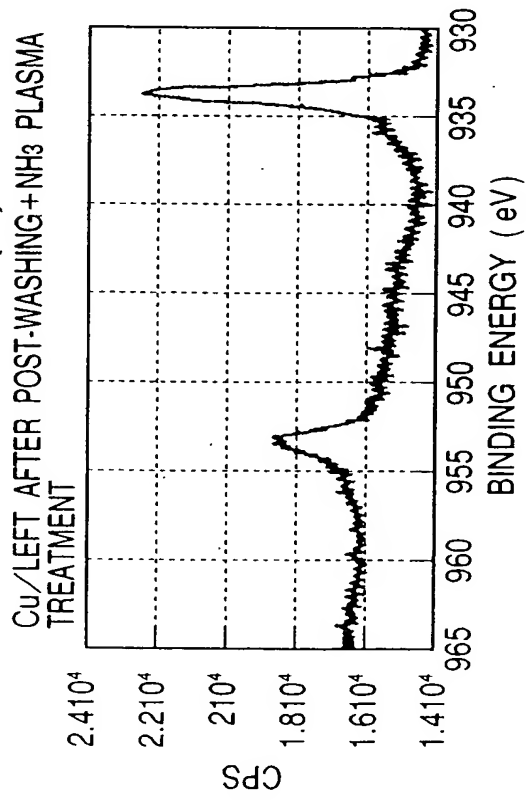


FIG. 24(b)

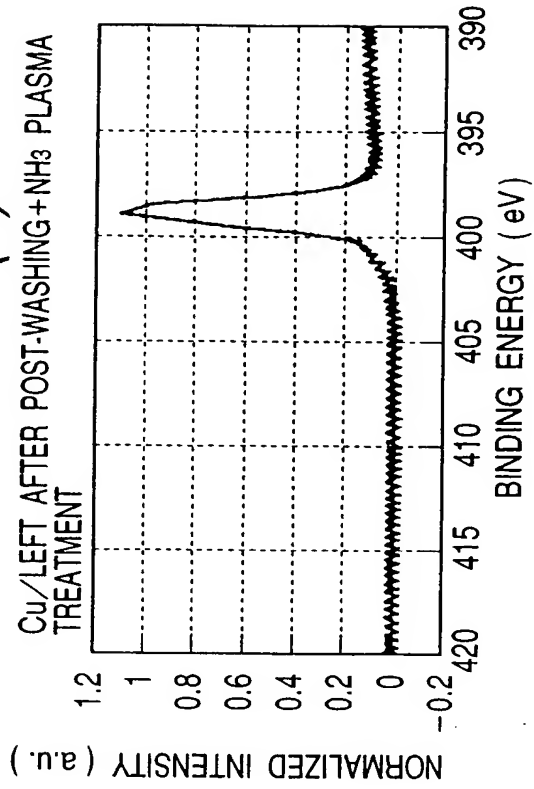


FIG. 24(c)

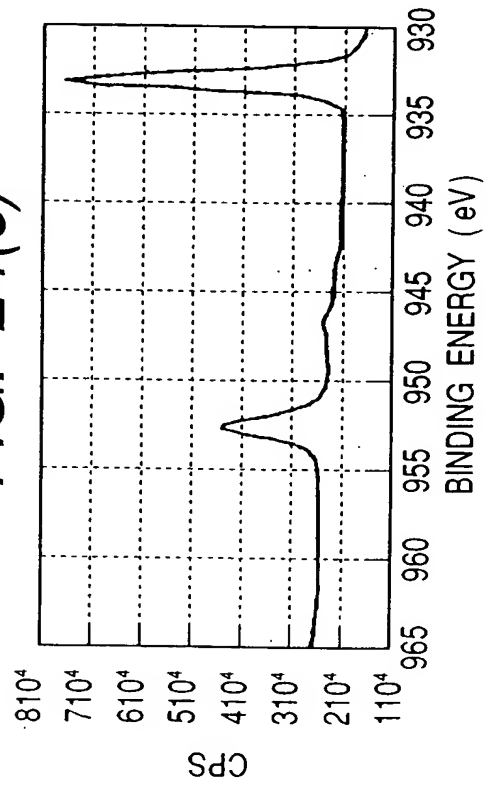


FIG. 24(d)

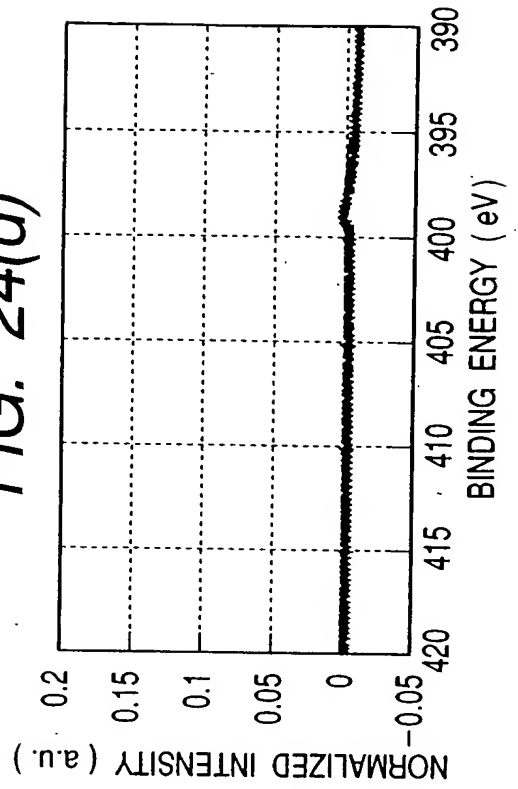


FIG. 25(a)

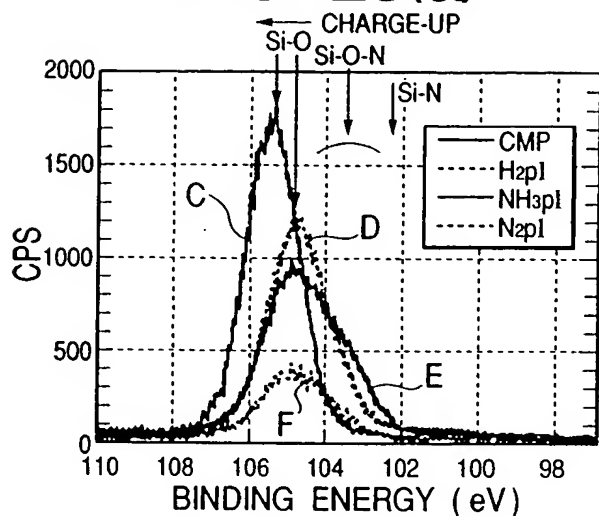


FIG. 25(b)

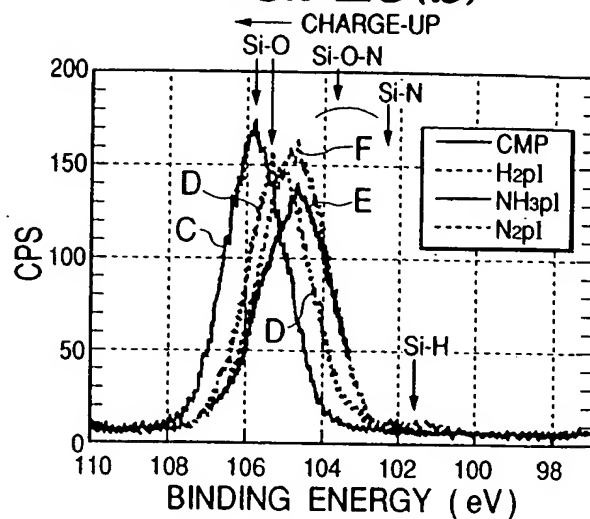


FIG. 25(c)

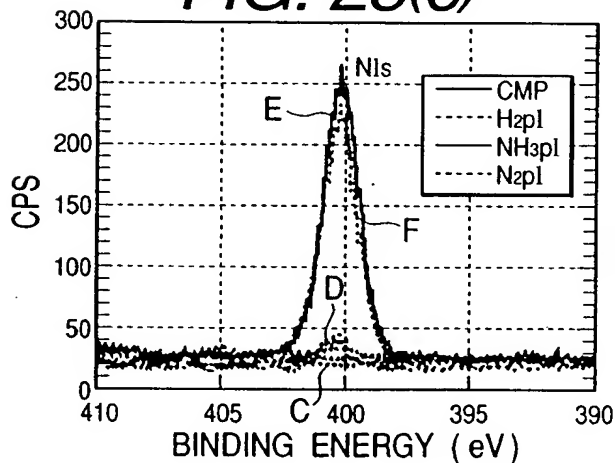


FIG. 25(d)

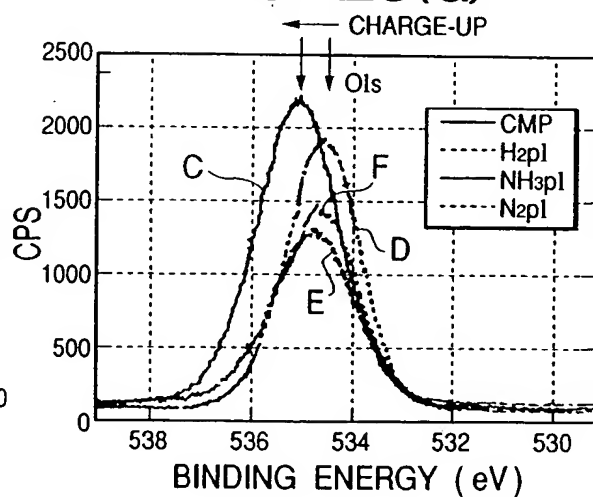


FIG. 25(e)

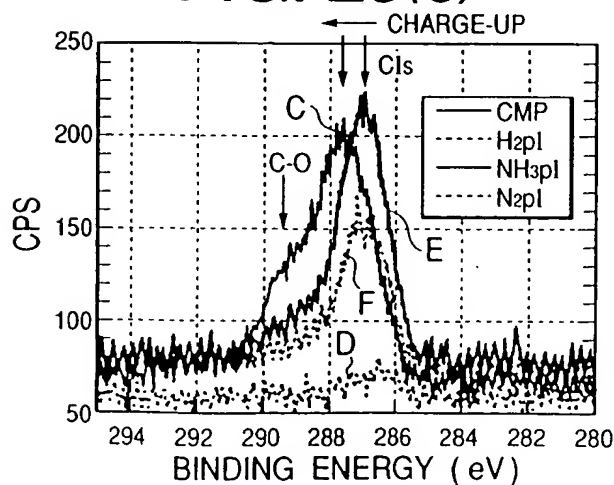
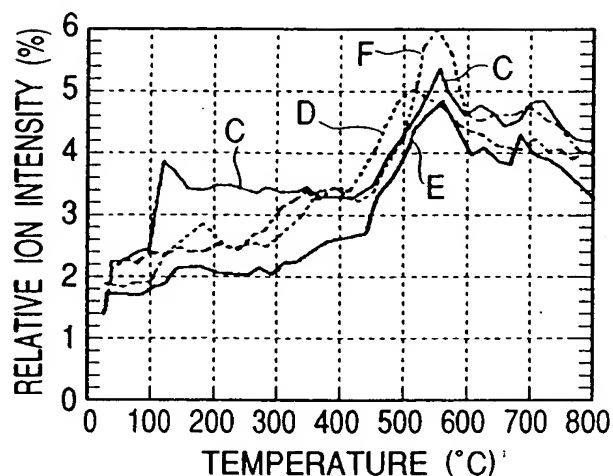


FIG. 25(f)

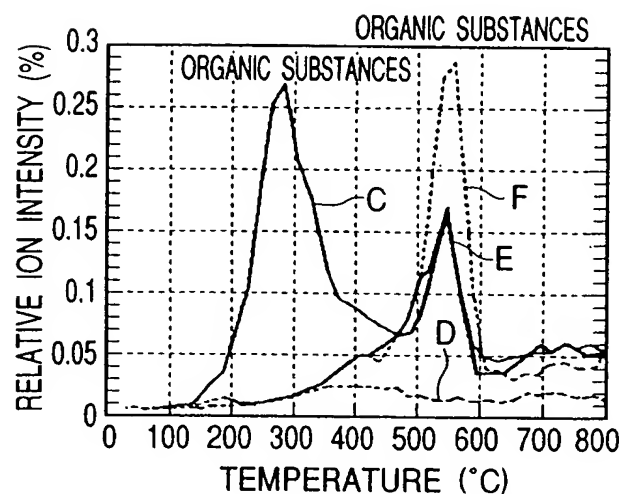
CONDITION	Si ₃ N _x
CMP	—
H ₂ pI	Si ₃ N _{1.08}
NH ₃ pI	Si ₃ N _{4.22}
N ₂ pI	Si ₃ N _{3.81}

FIG. 26(a)



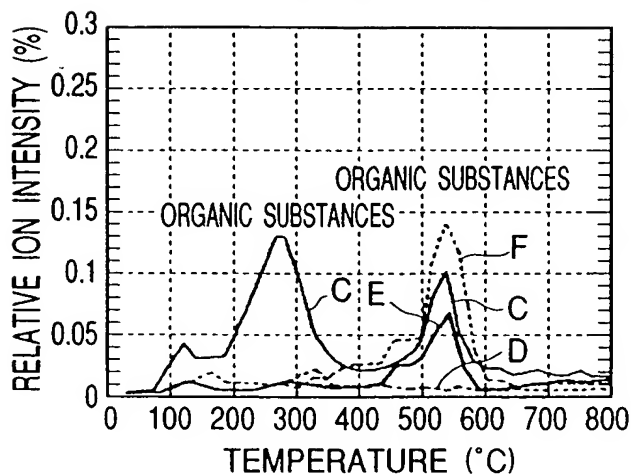
THERMAL DISSOCIATION OF HYDROGEN,
Ar-H $m/z=41$

FIG. 26(b)



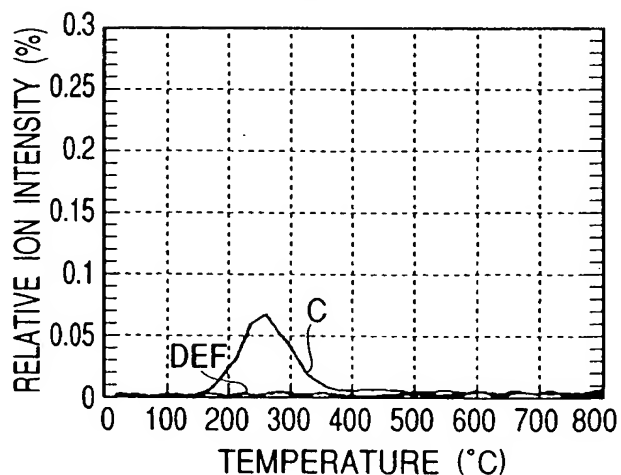
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
A(C_nH_{2n-1}) C₂H₃ $m/z=27$

FIG. 26(c)



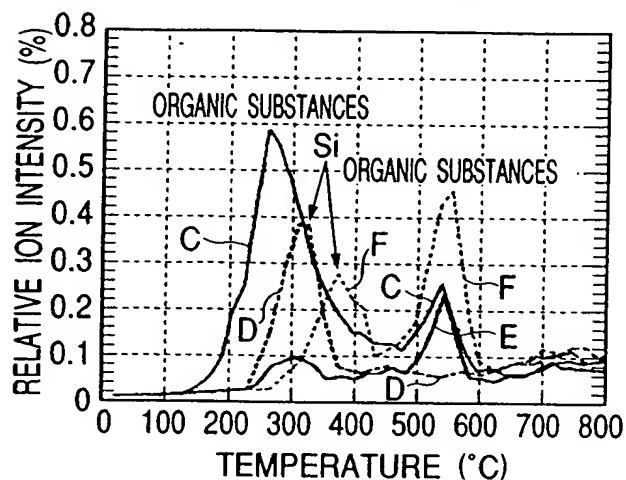
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
B(C_nH_{2n+1}) C₄H₉ $m/z=57$

FIG. 26(d)



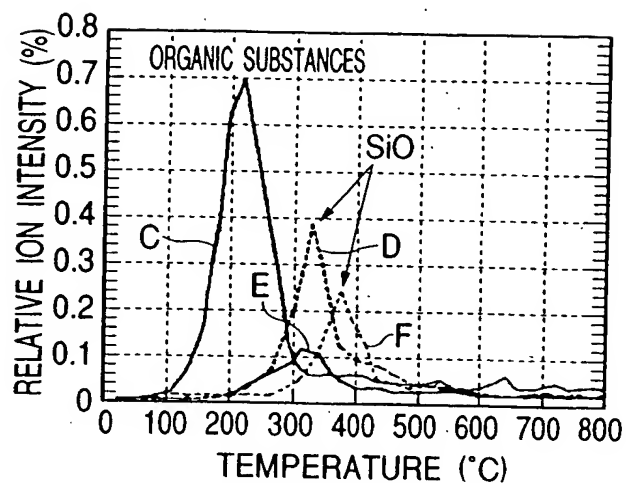
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
C(C_nH_{2n+1}O) C₃H₇O $m/z=59$

FIG. 27(a)



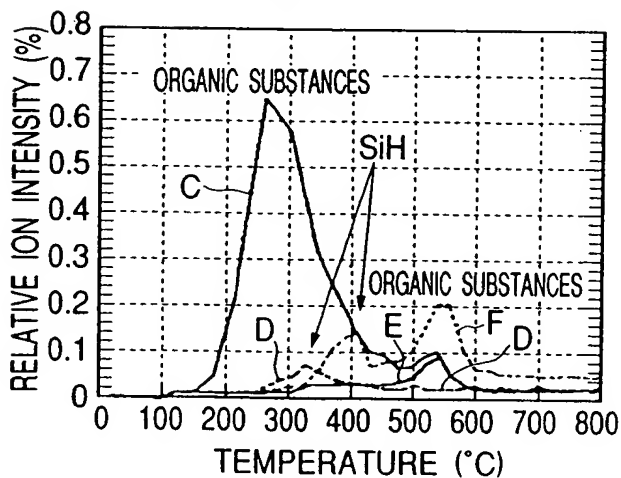
THERMAL DISSOCIATION OF Si
AND ORGANIC SUBSTANCES
Si, C₂H₄ $m/z=28$

FIG. 27(b)



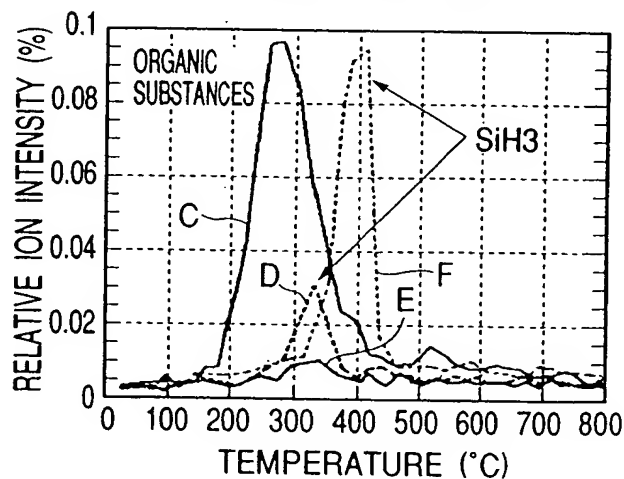
THERMAL DISSOCIATION OF SiO
AND ORGANIC SUBSTANCES
SiO, C₃H₆ $m/z=44$

FIG. 27(c)



THERMAL DISSOCIATION OF SiH
AND ORGANIC SUBSTANCES
SiH, C₂H₅ $m/z=29$

FIG. 27(d)



THERMAL DISSOCIATION OF SiH₃
AND ORGANIC SUBSTANCES
SiH₃ $m/z=31$

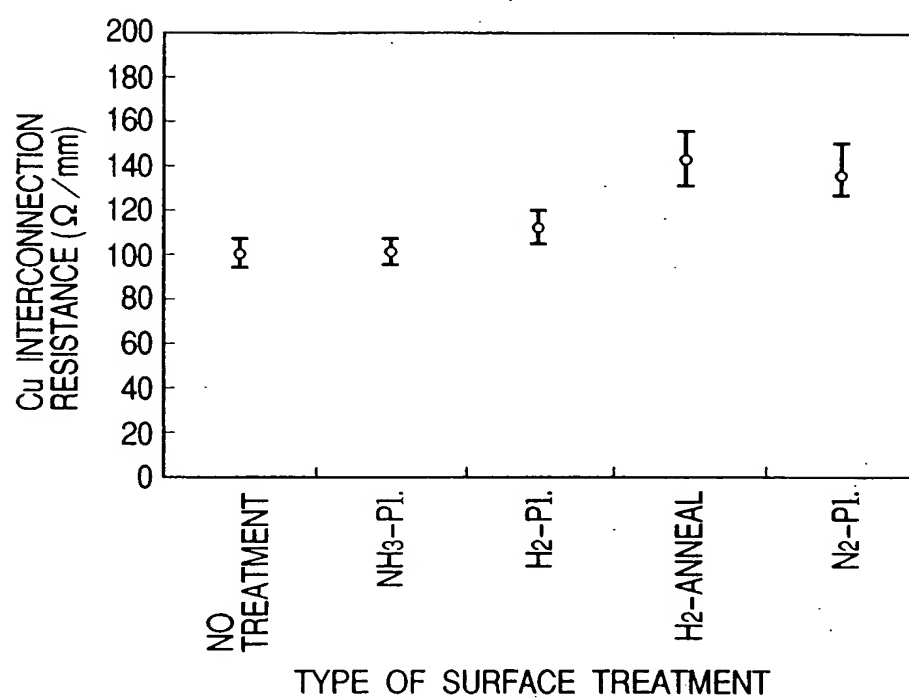
FIG. 28

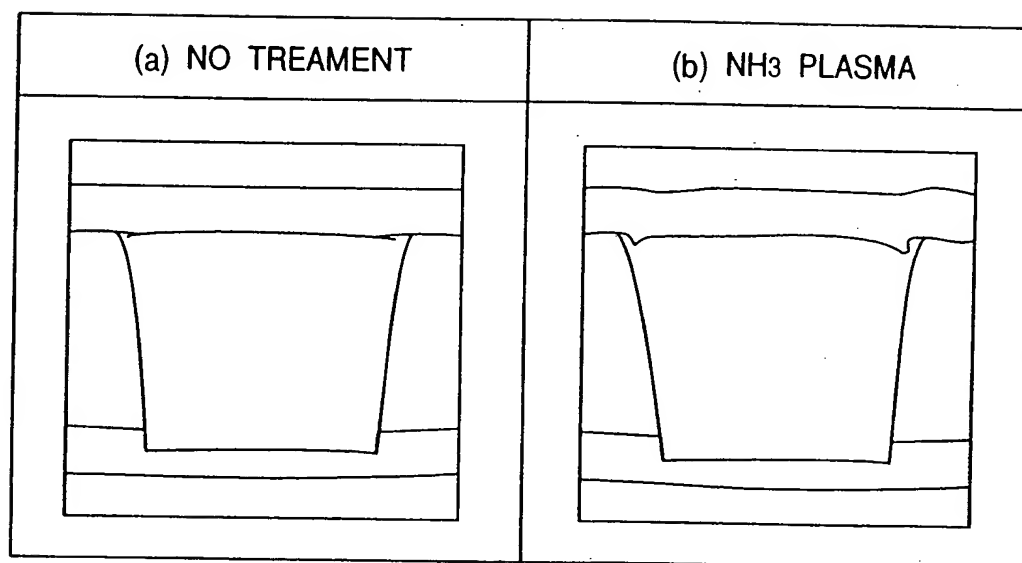
FIG. 29

FIG. 30

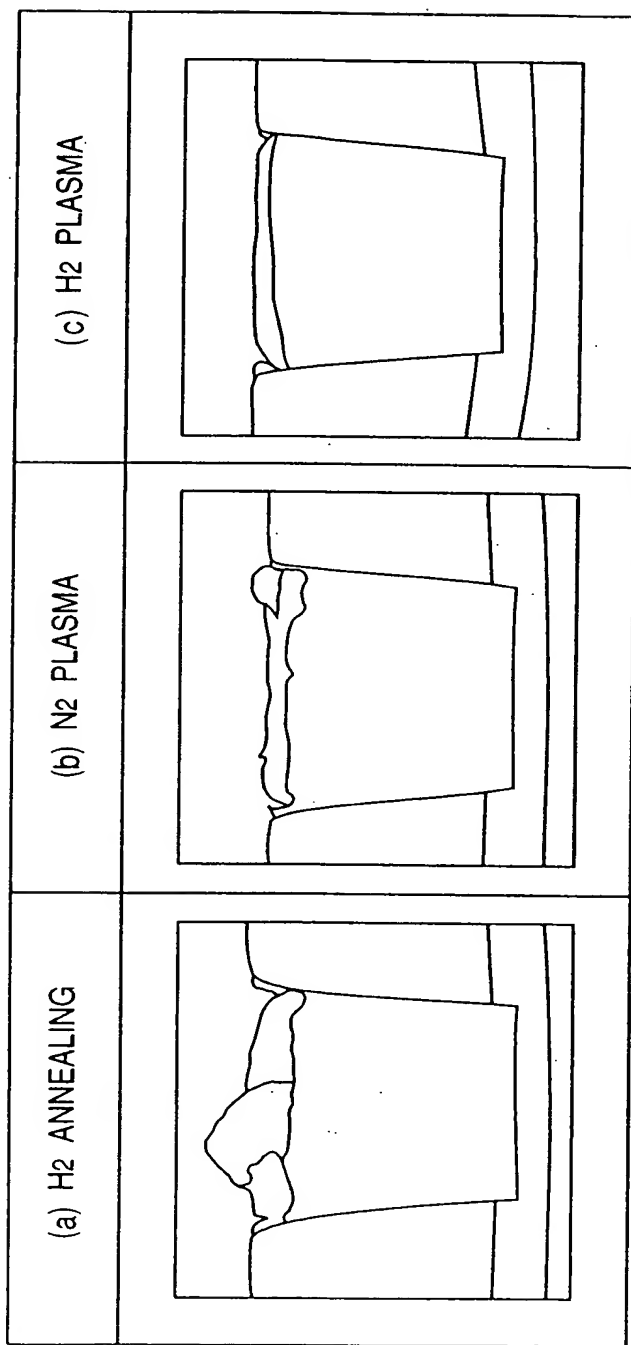


FIG. 31(b)

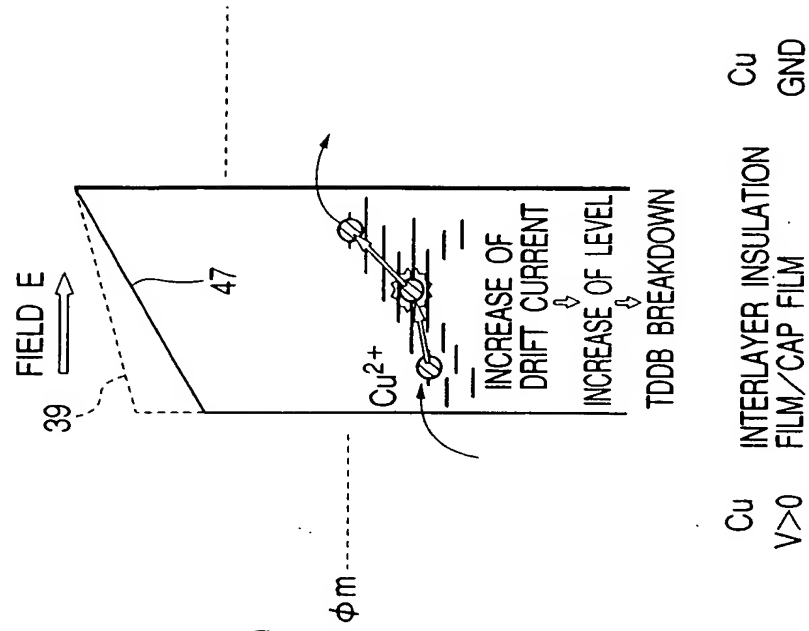


FIG. 31(a)

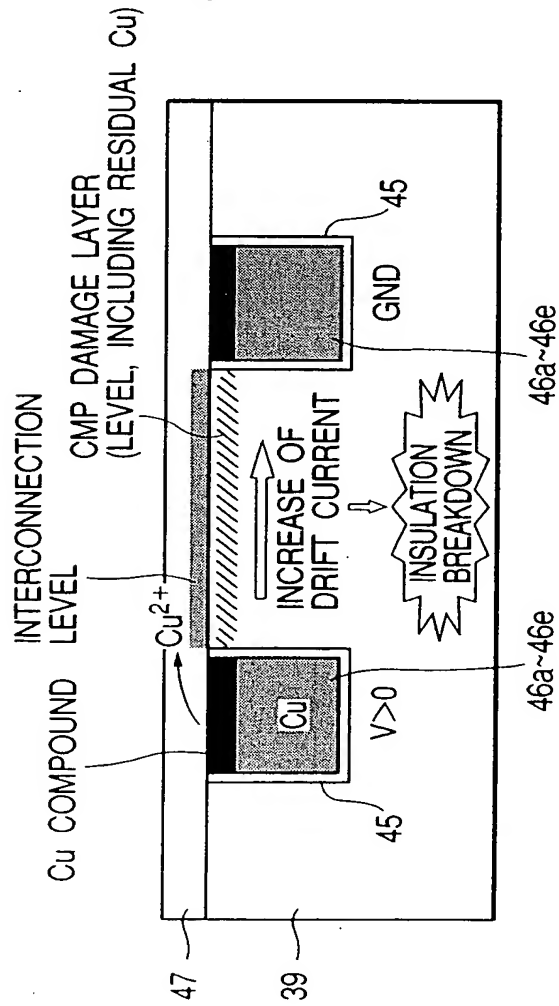


FIG. 32(a)

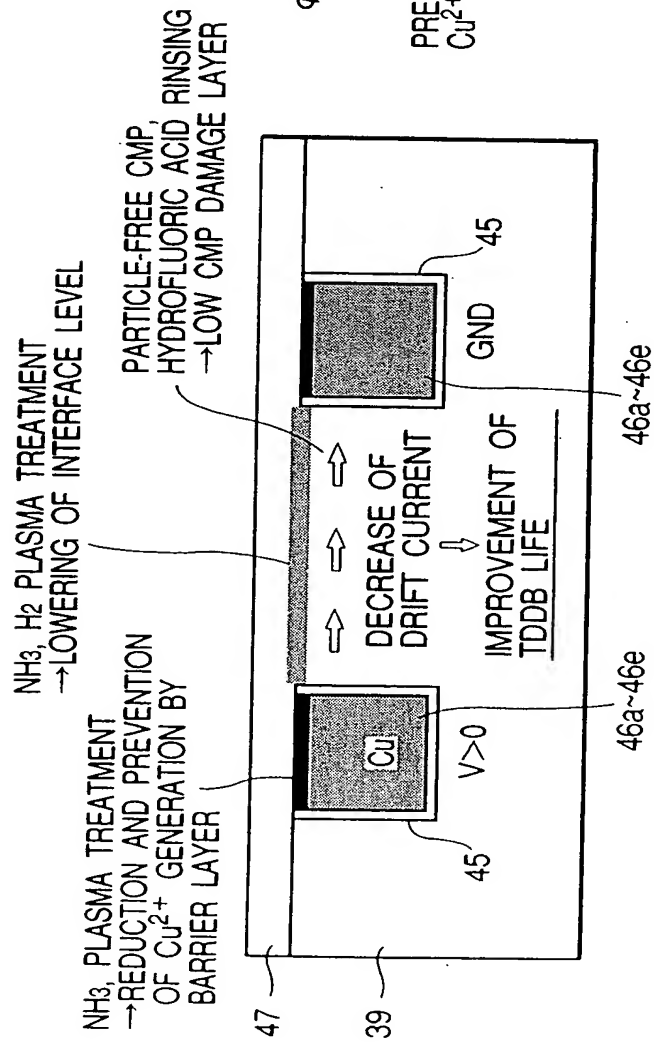


FIG. 32(b)

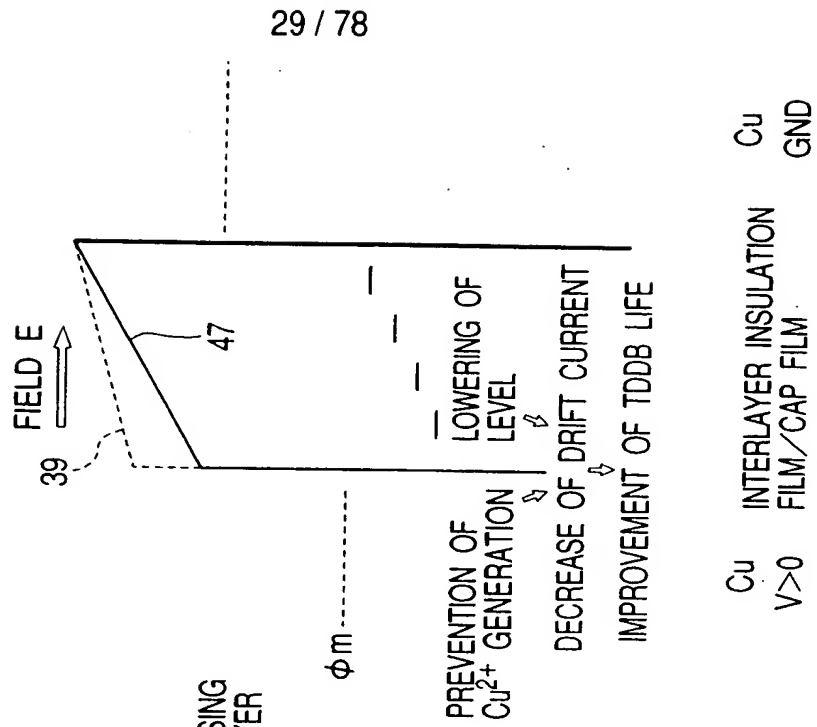


FIG. 33

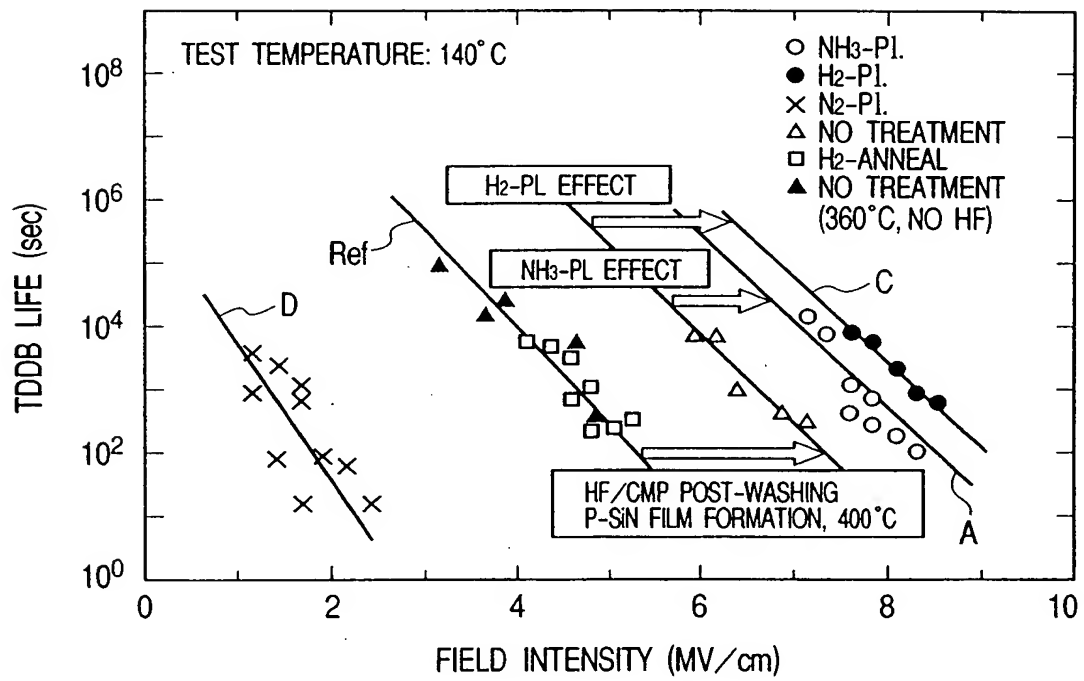


FIG. 34

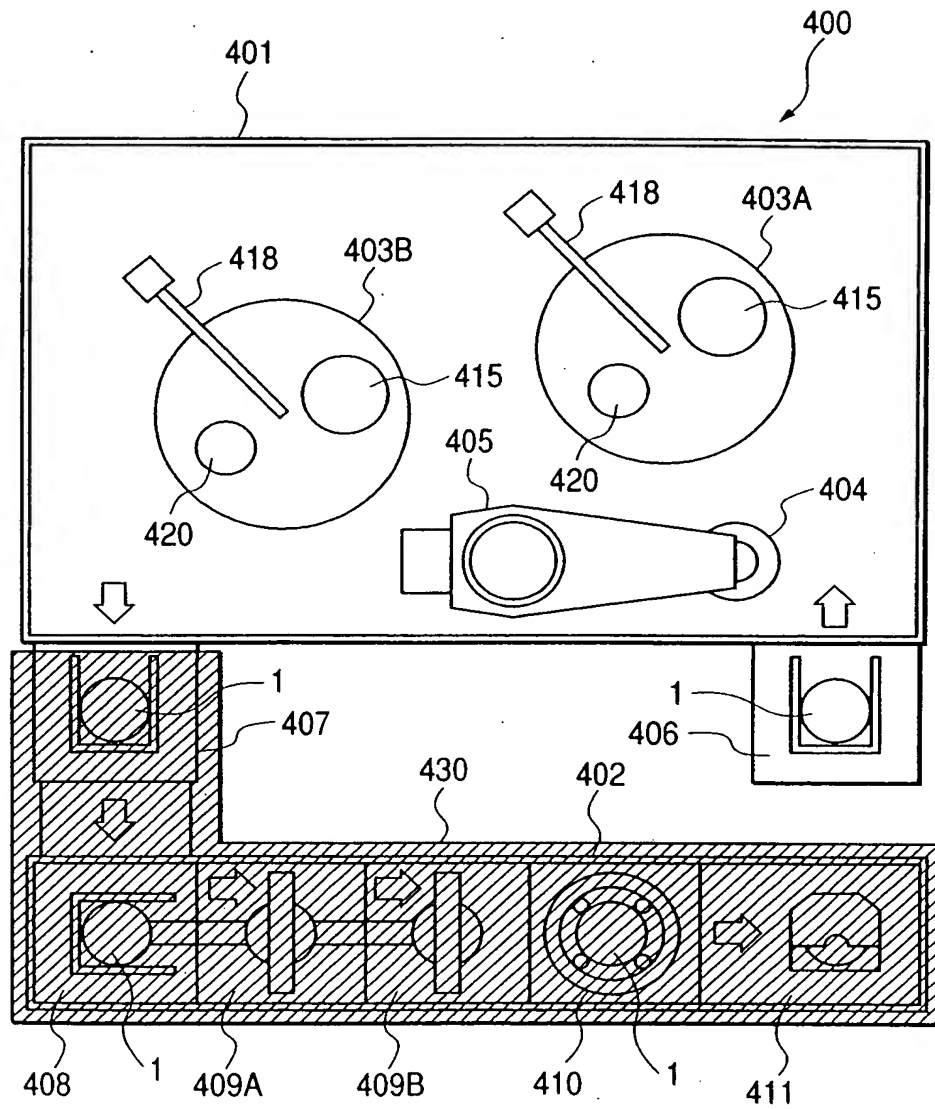


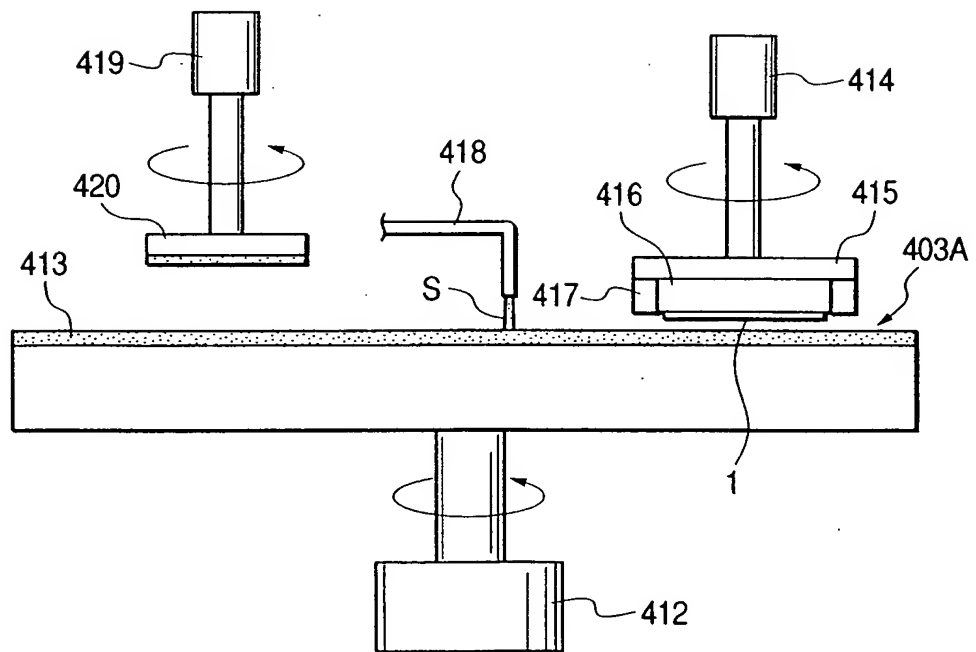
FIG. 35

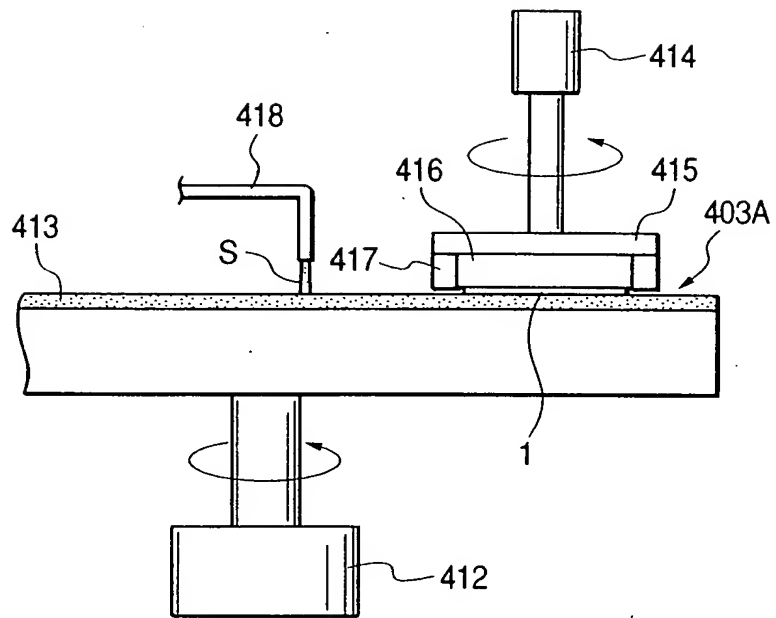
FIG. 36

FIG. 38(a)

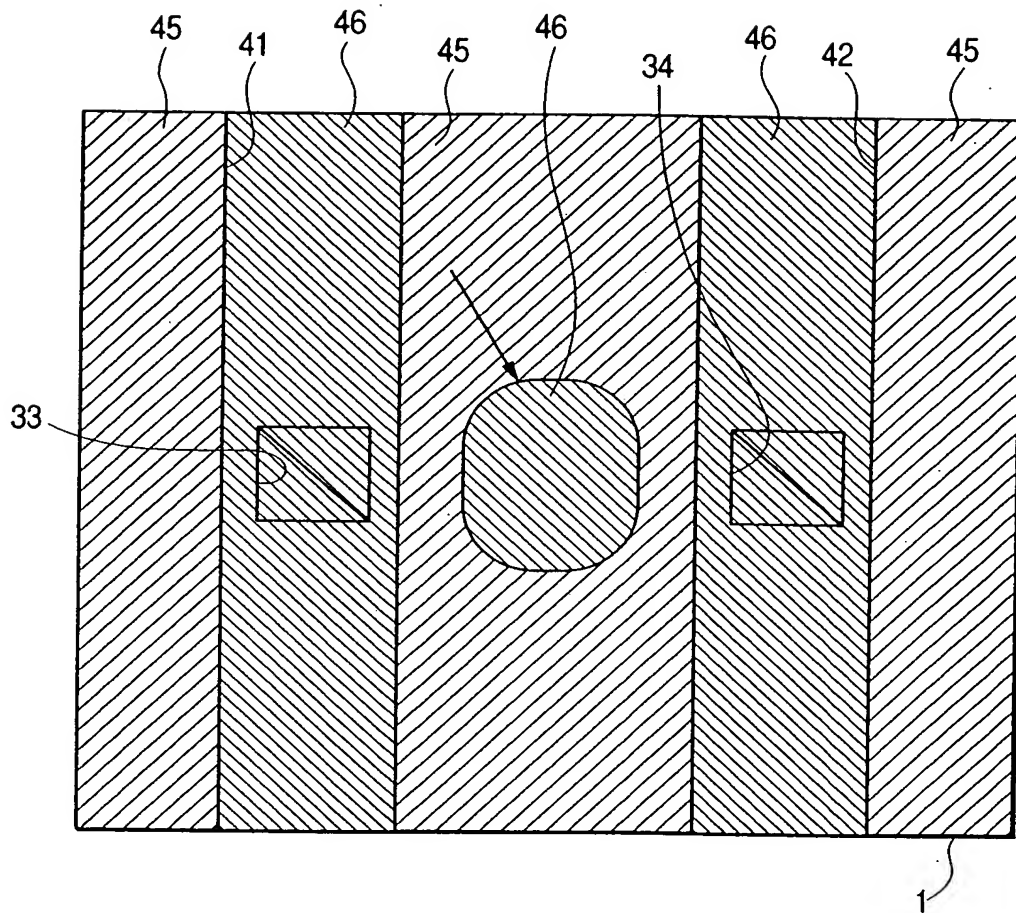


FIG. 38(b)

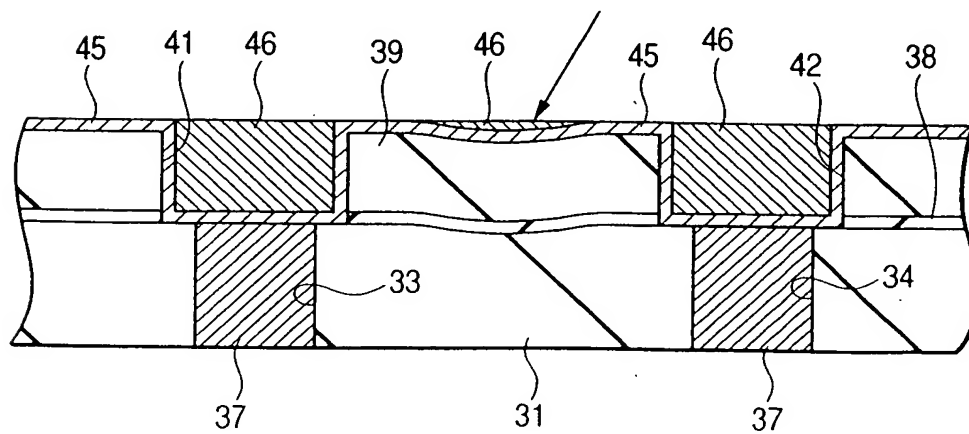


FIG. 39

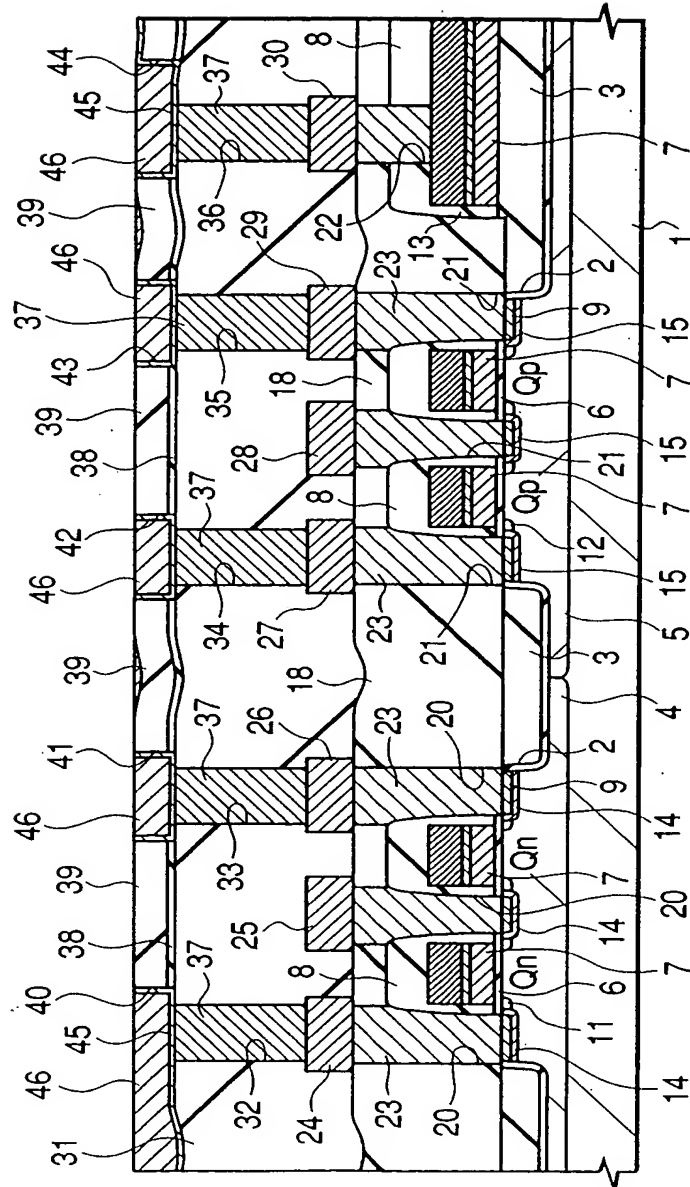


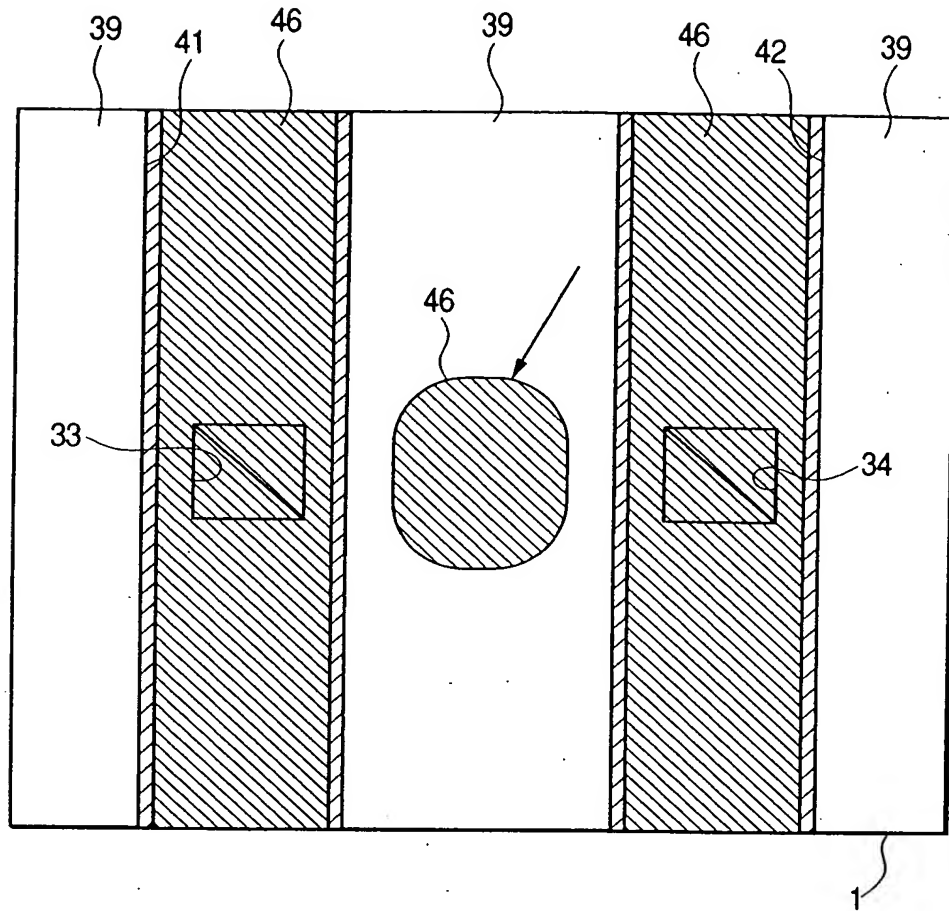
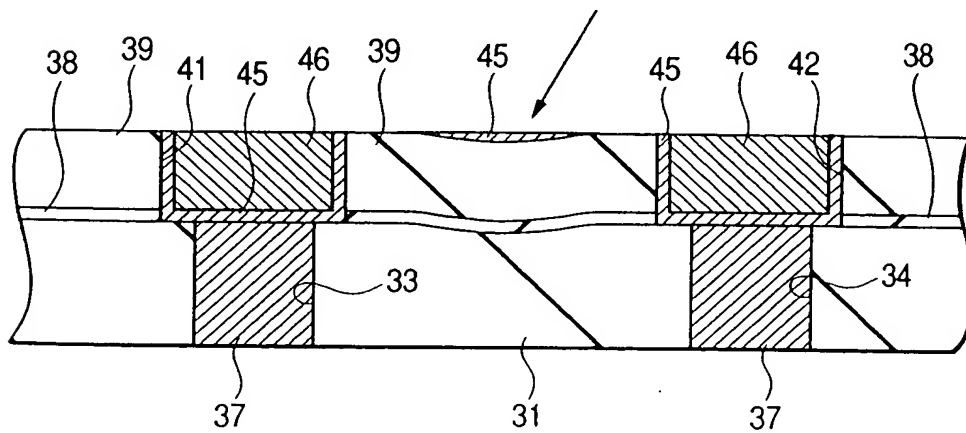
FIG. 40(a)*FIG. 40(b)*

FIG. 41

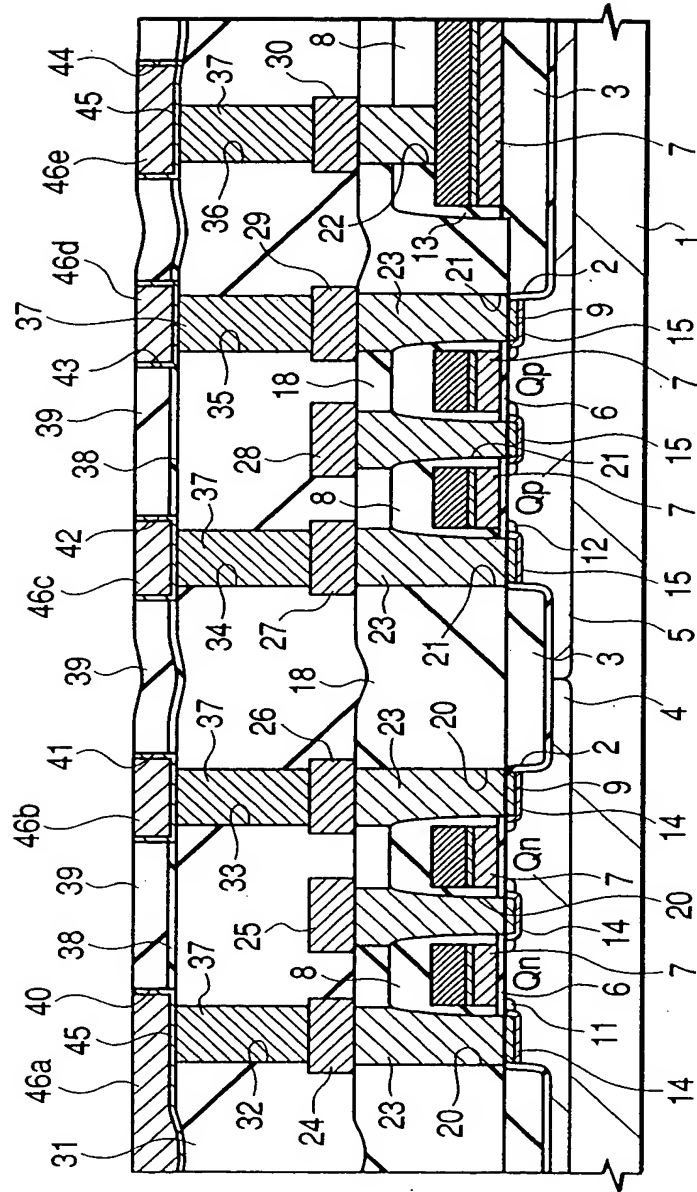


FIG. 42(a)

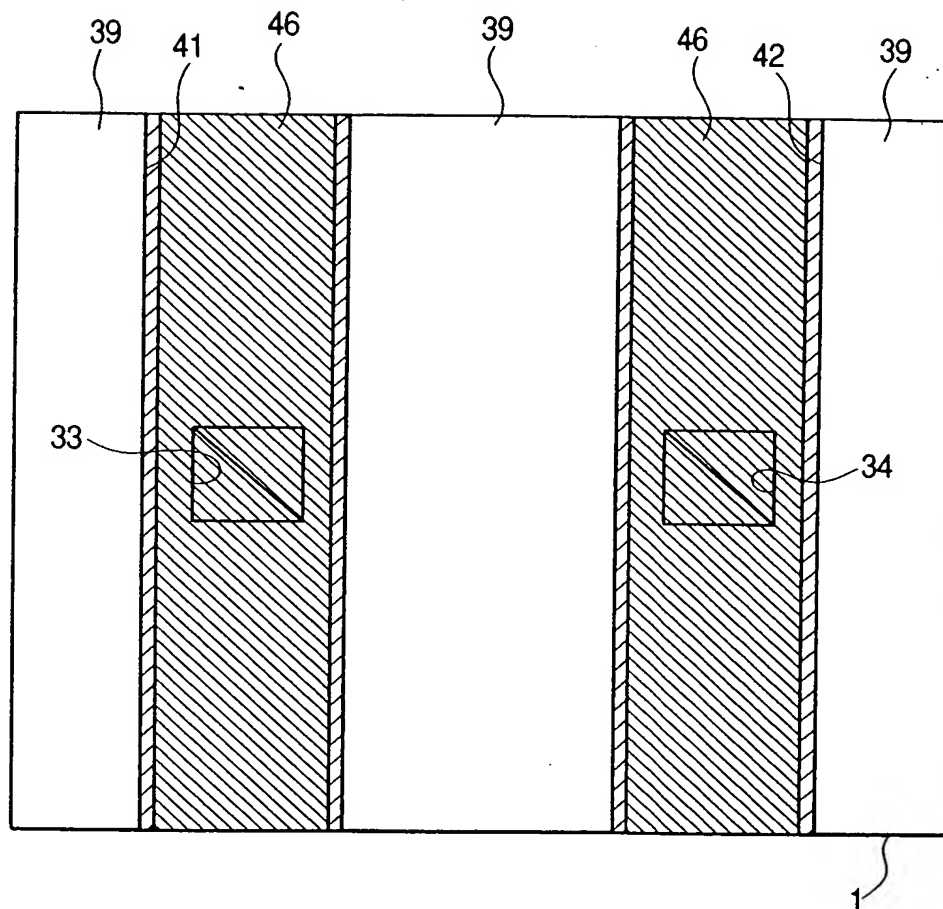


FIG. 42(b)

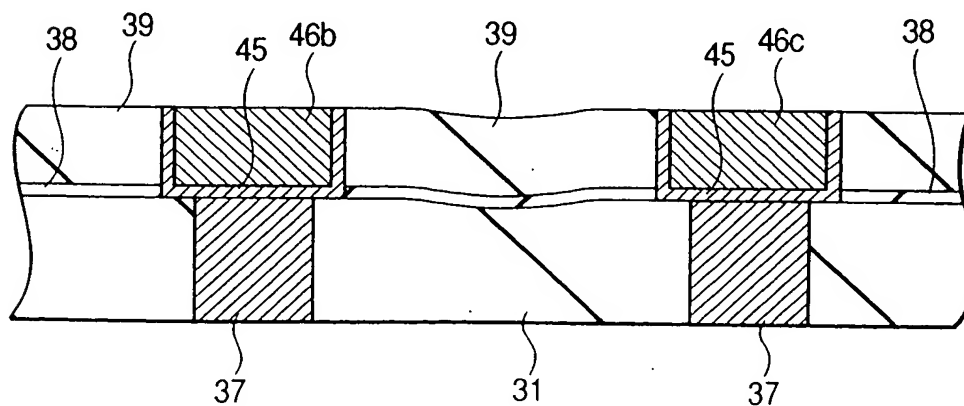


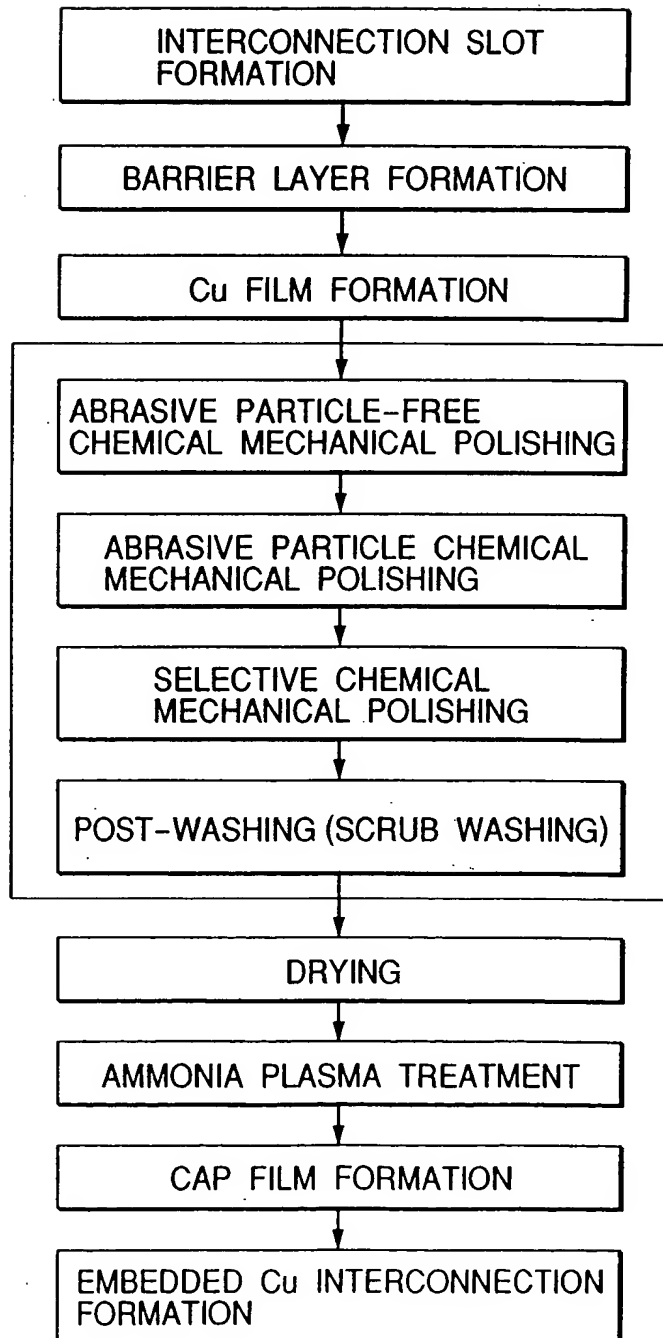
FIG. 43

FIG. 44

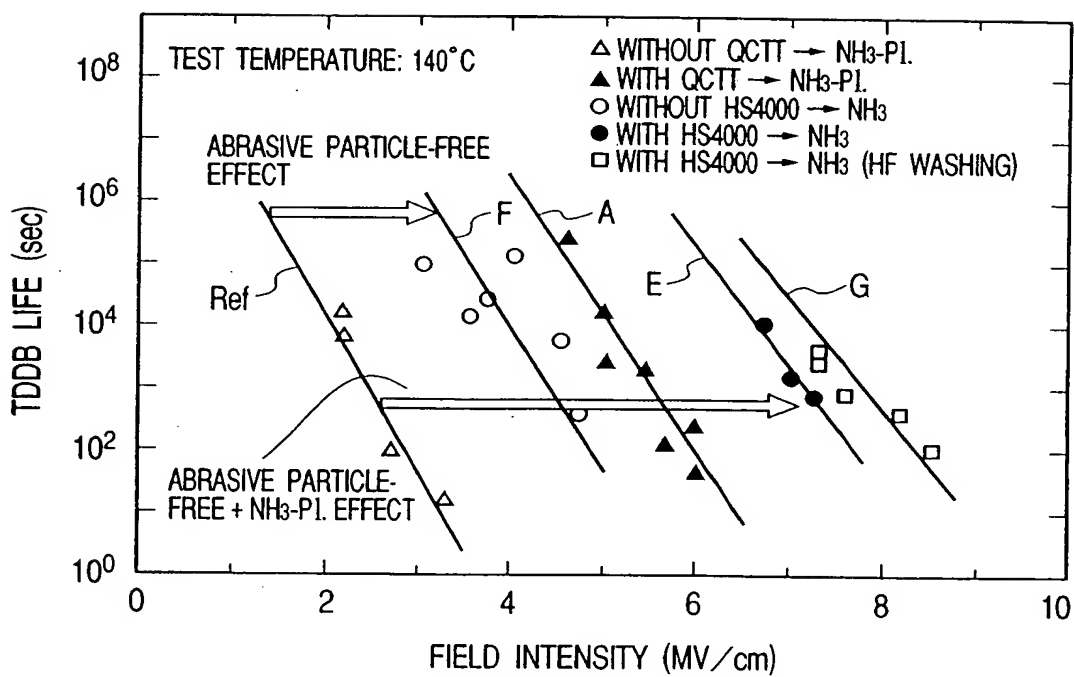


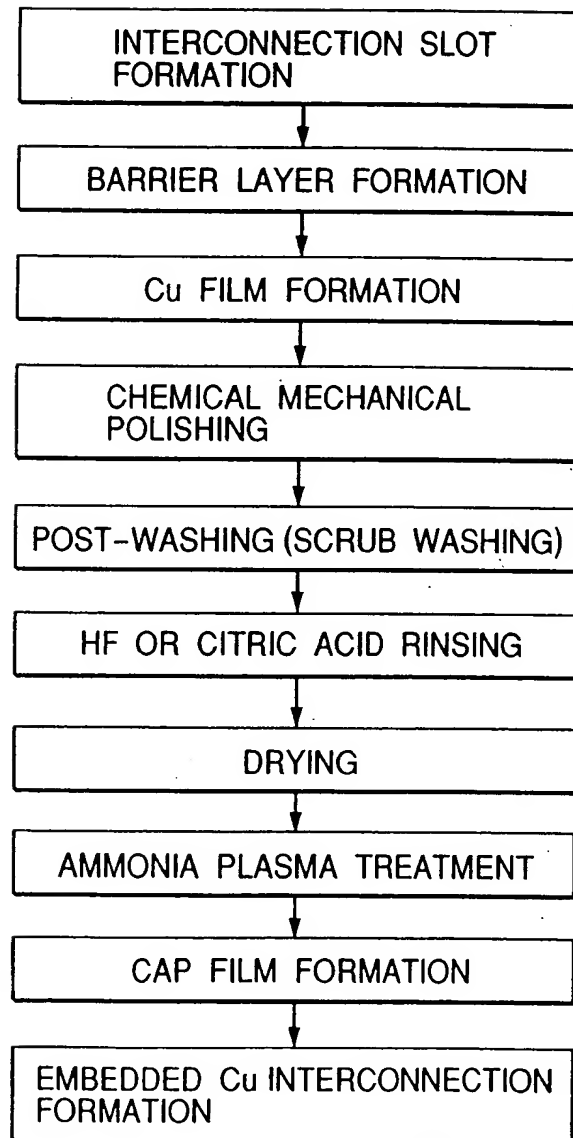
FIG. 45

FIG. 46

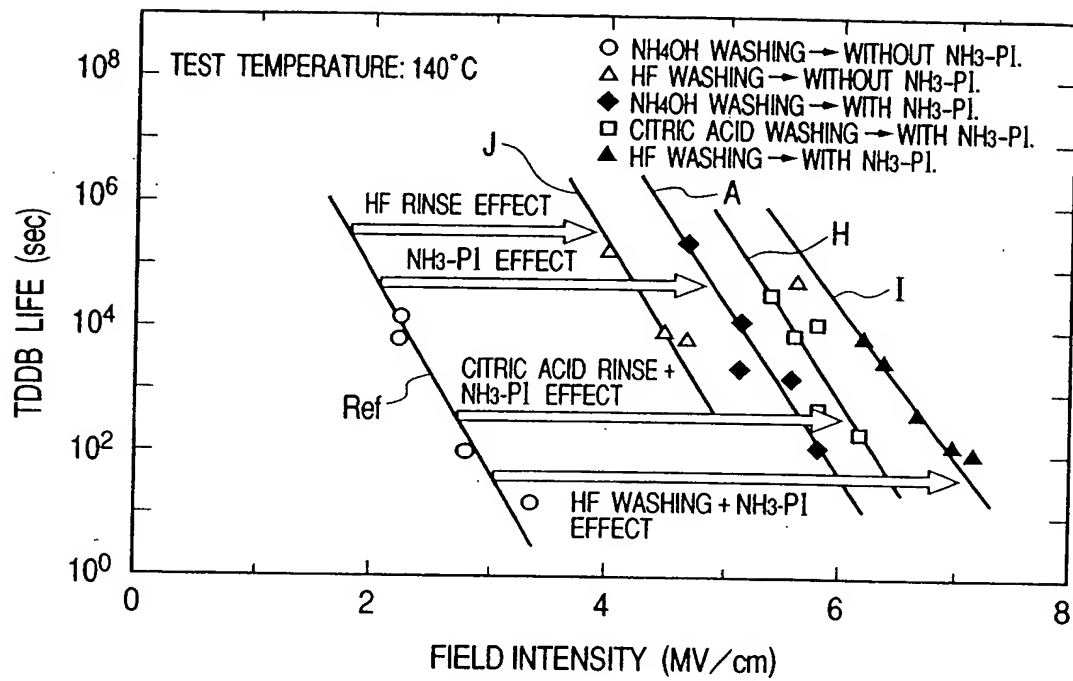


FIG. 47

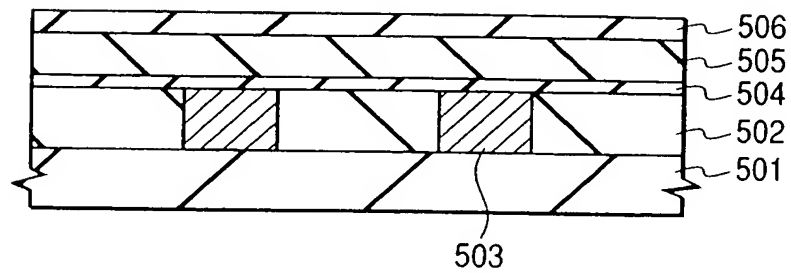


FIG. 48(a)

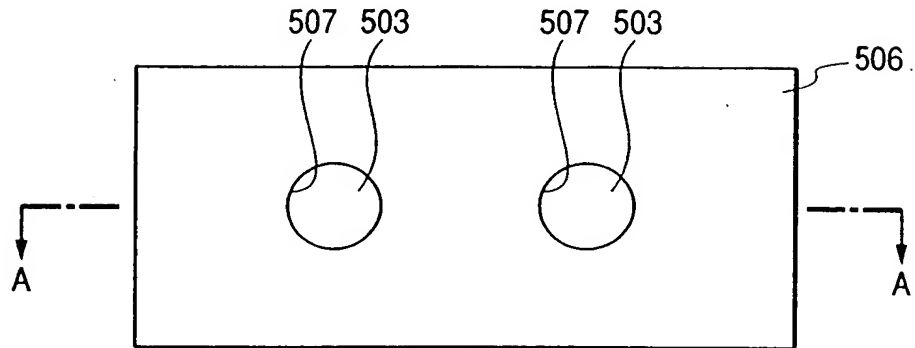


FIG. 48(b)

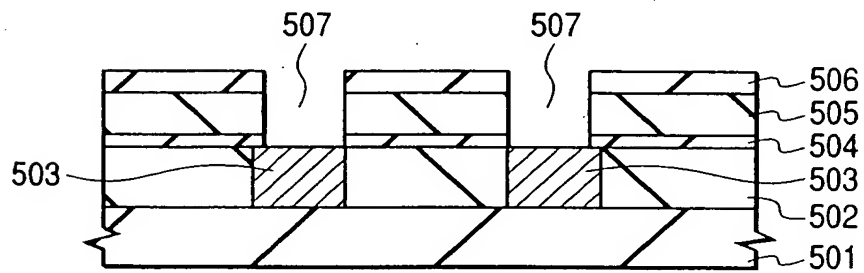
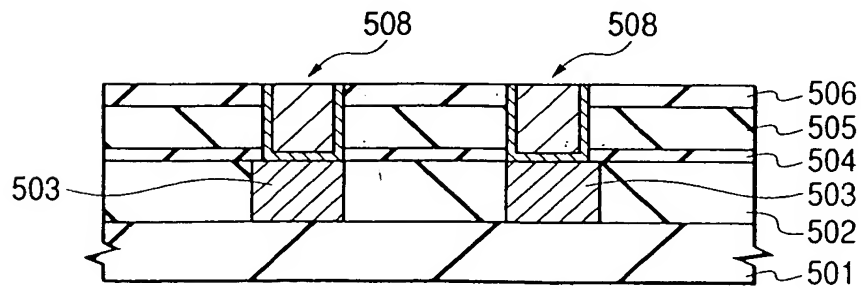


FIG. 49



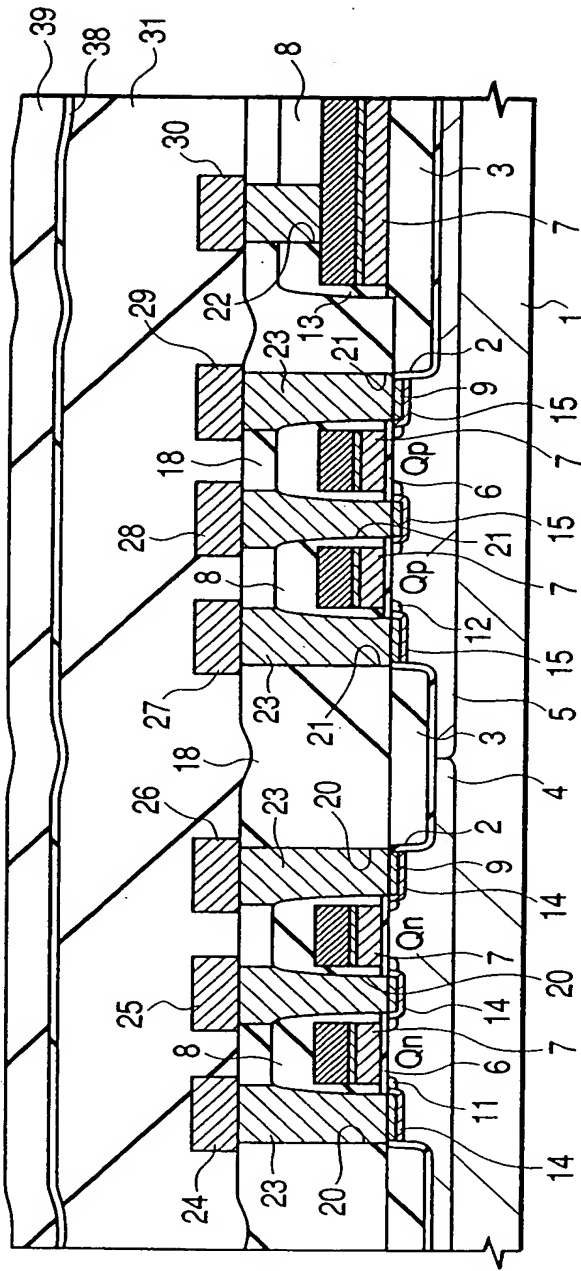


FIG. 50

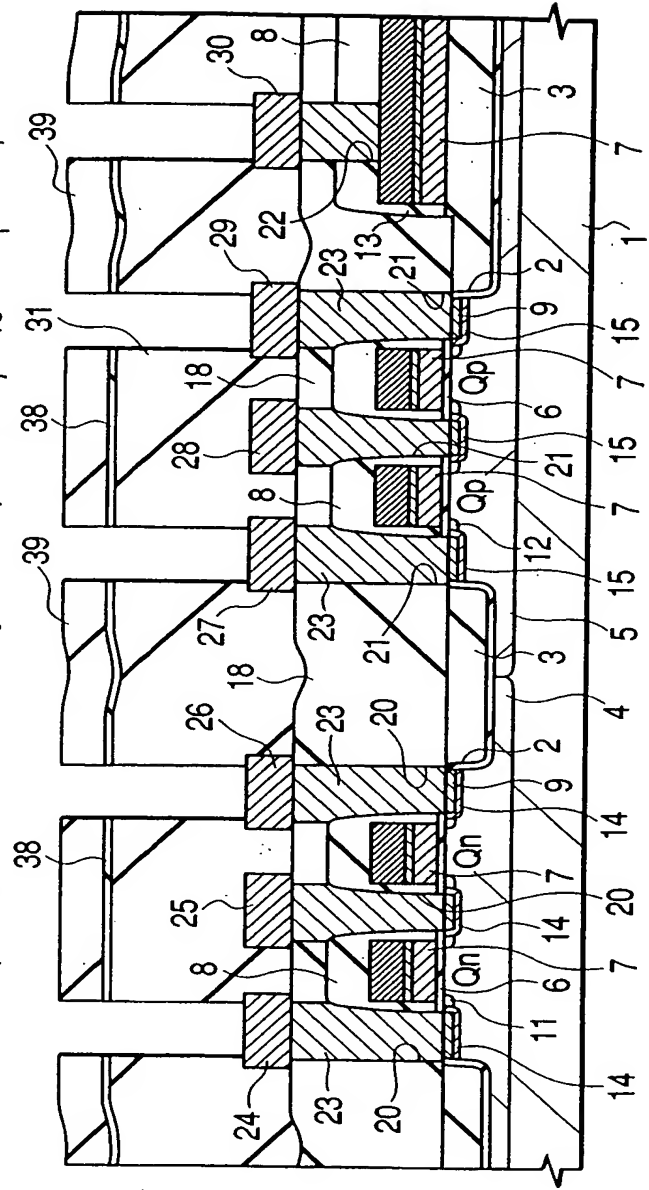


FIG. 51

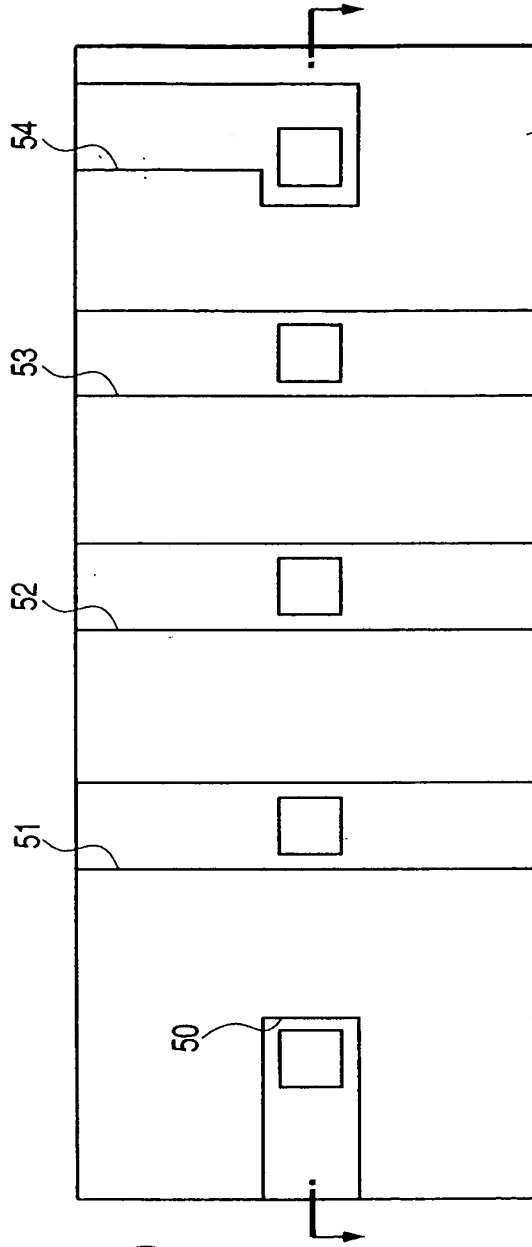


FIG. 52(a)

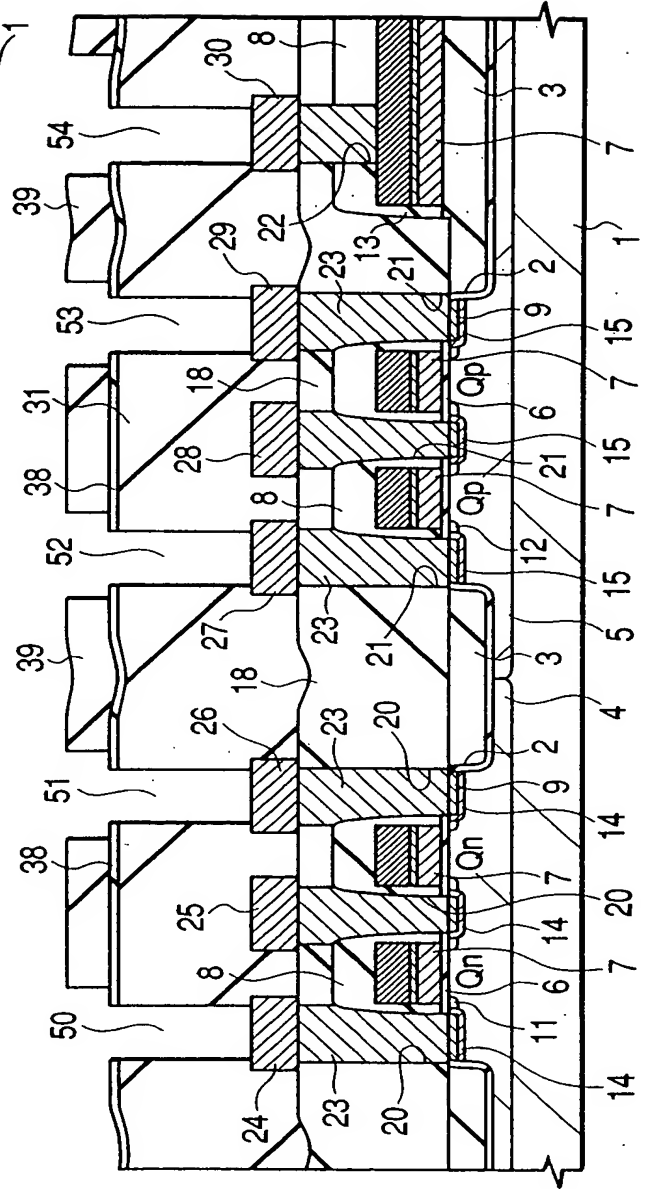


FIG. 52(b)

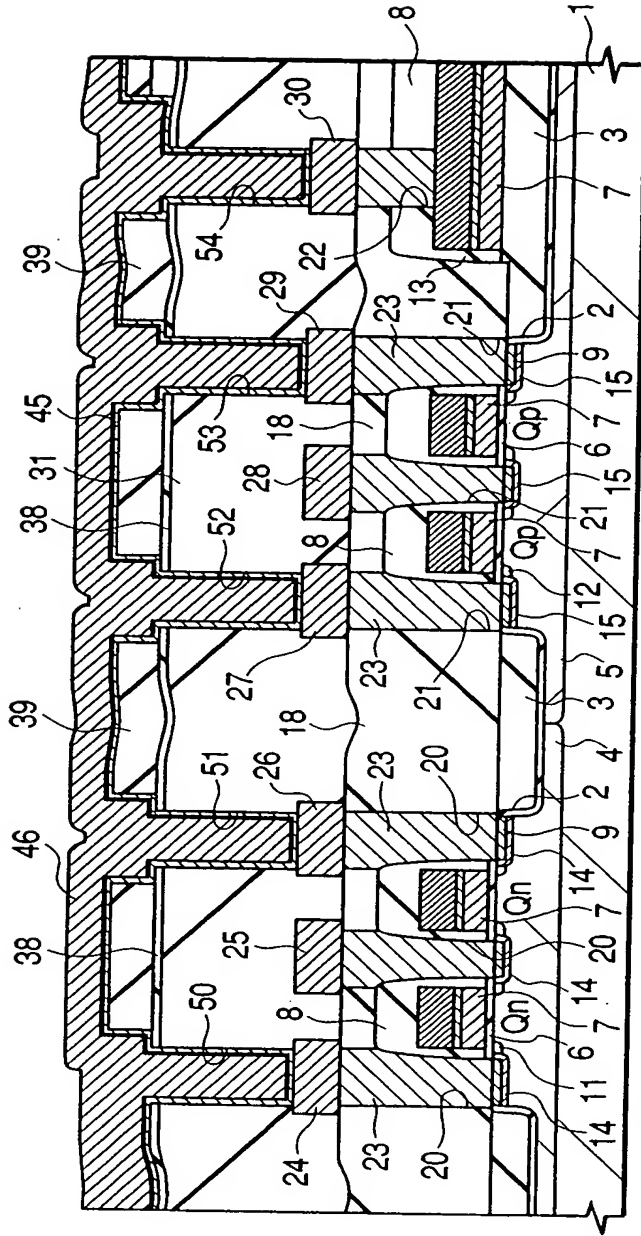


FIG. 53

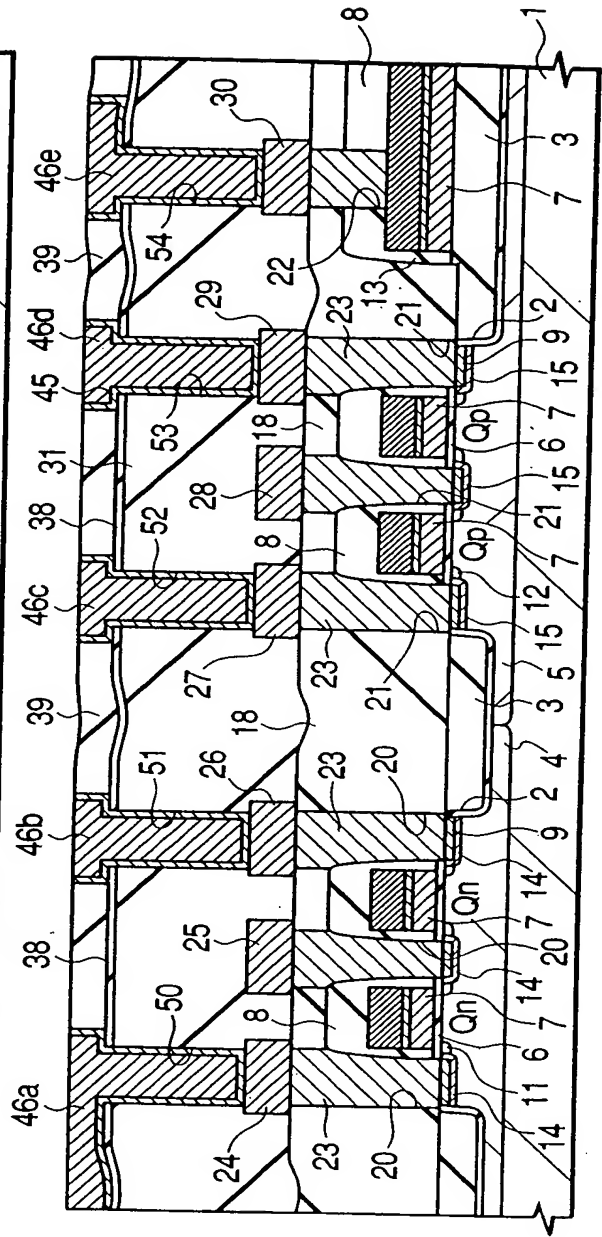


FIG. 54

FIG. 55

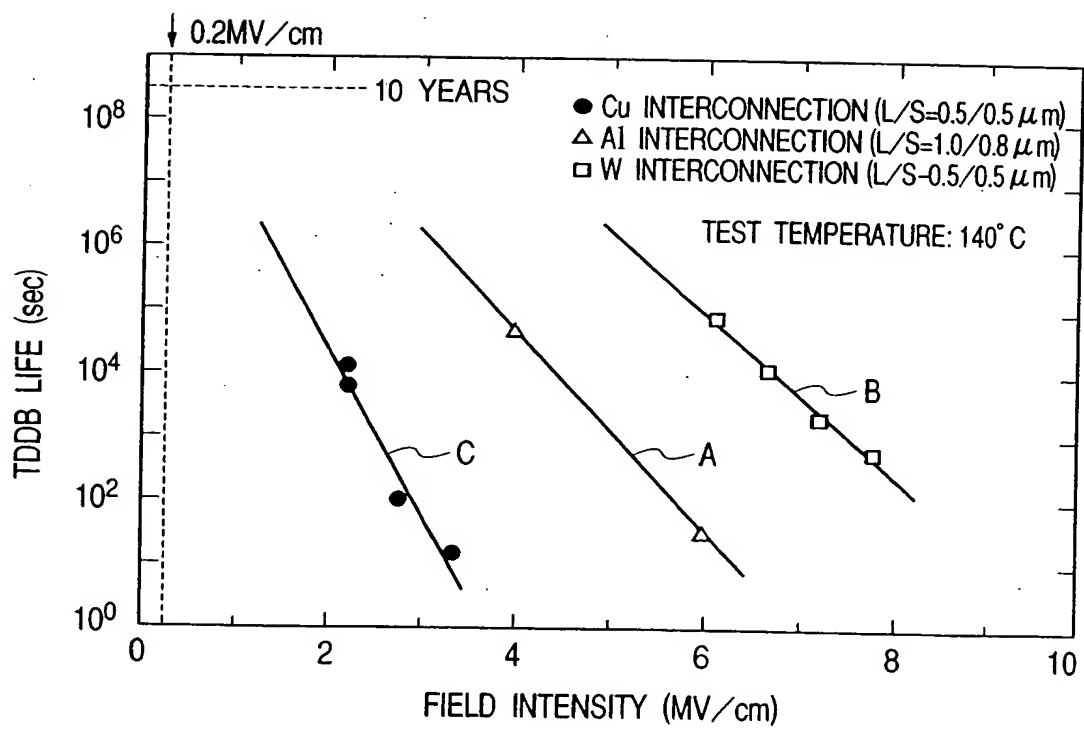


FIG. 56

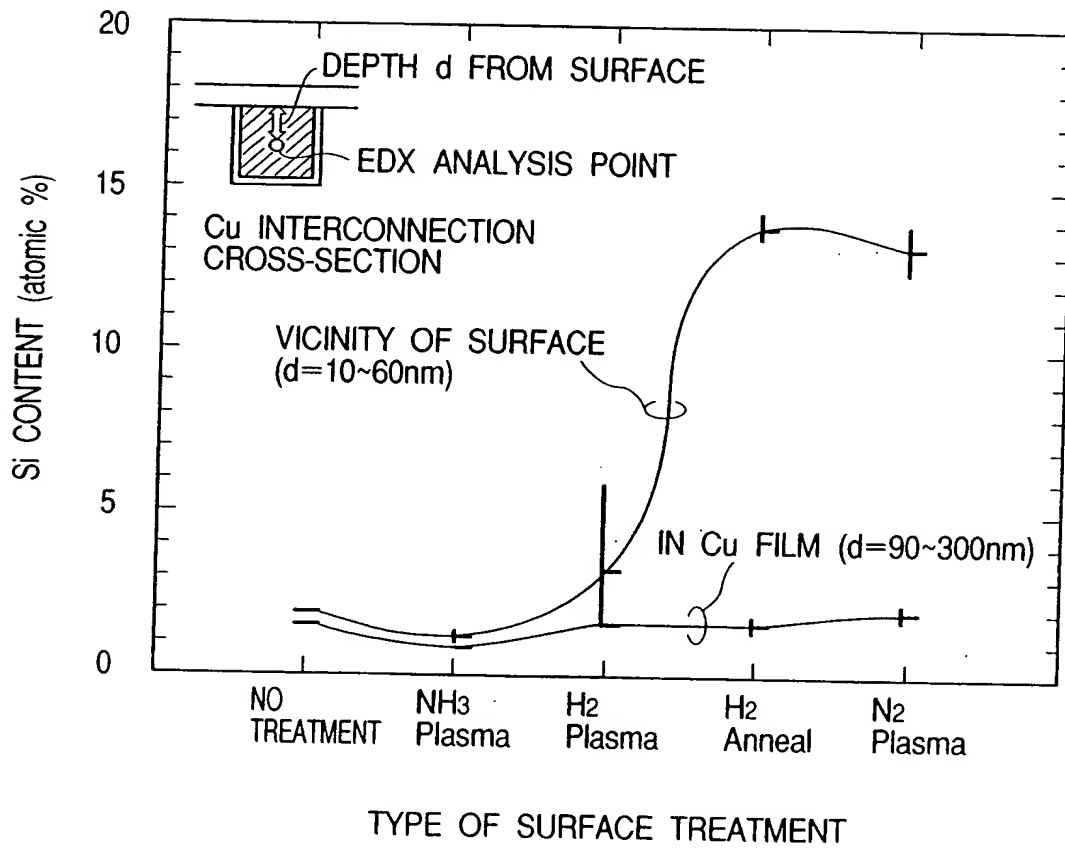
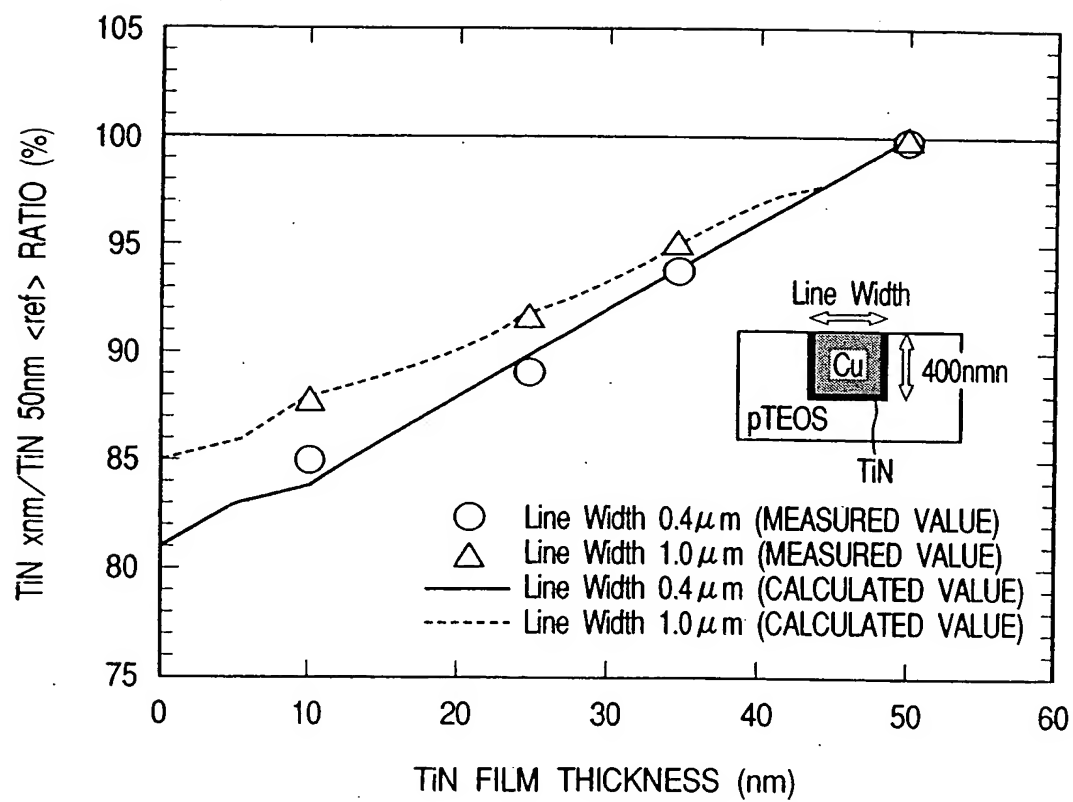


FIG. 57



*TiN FILM THICKNESS=FILM THICKNESS AT BASE OF SLOT

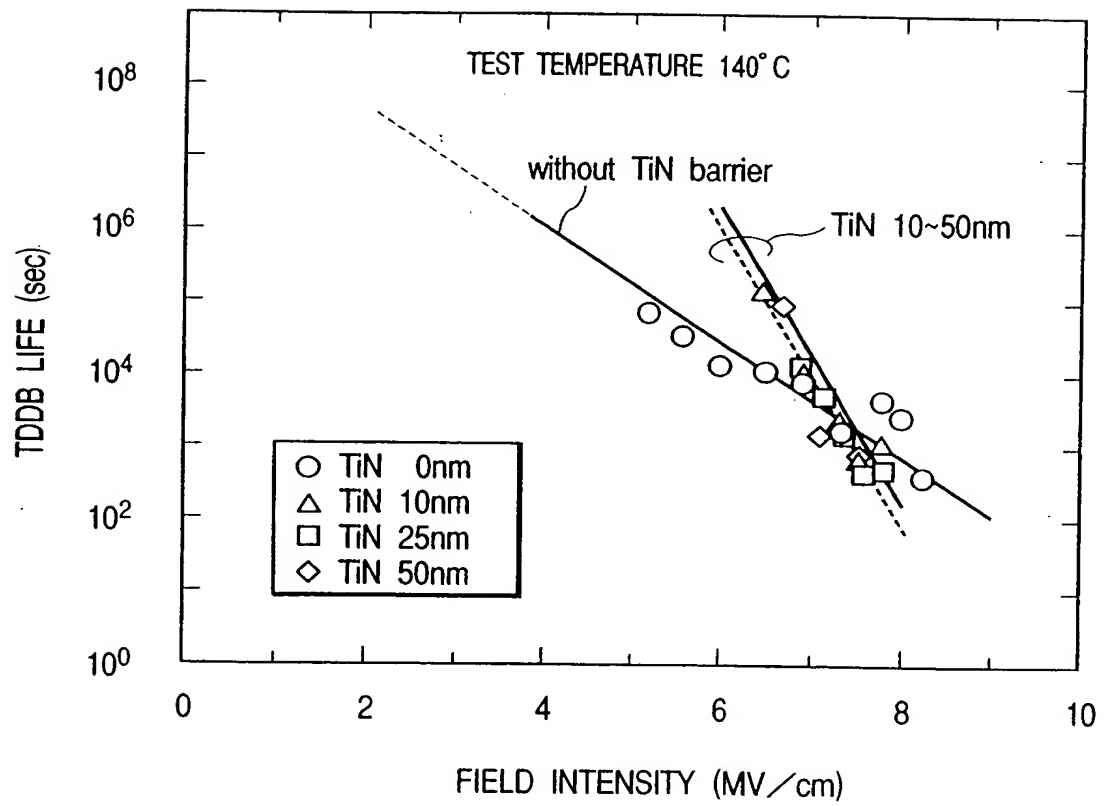
FIG. 58

FIG. 59

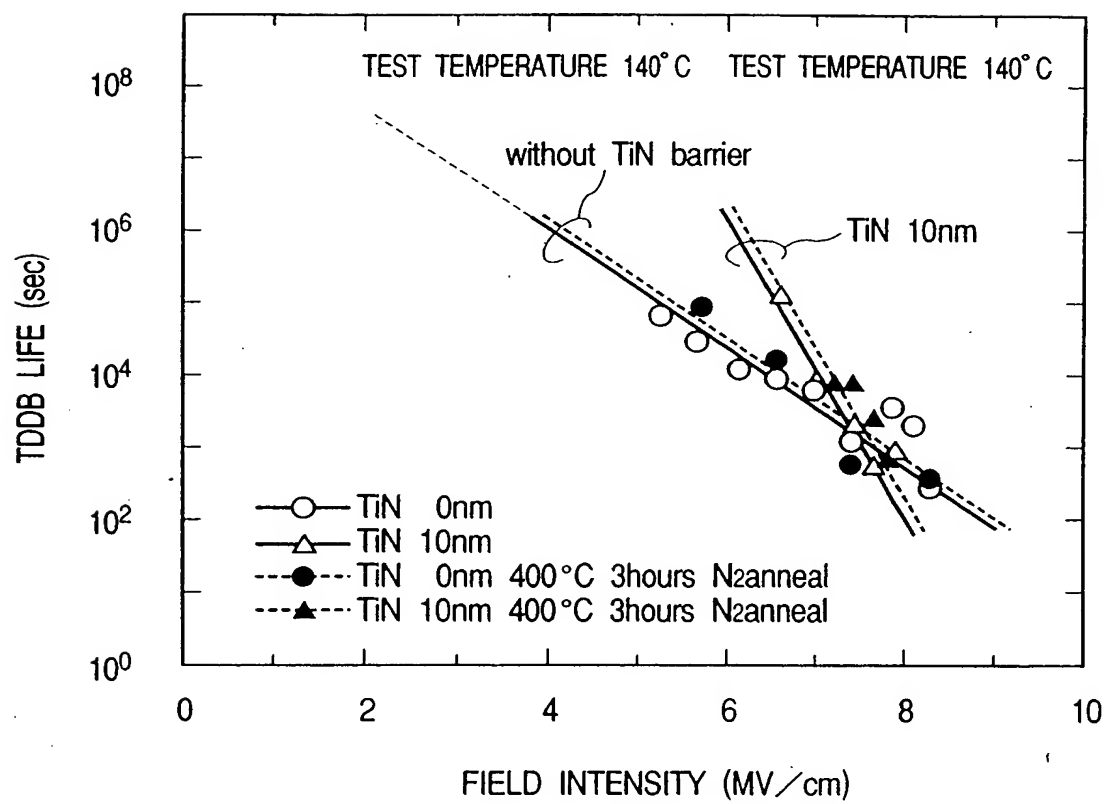


FIG. 60(a)

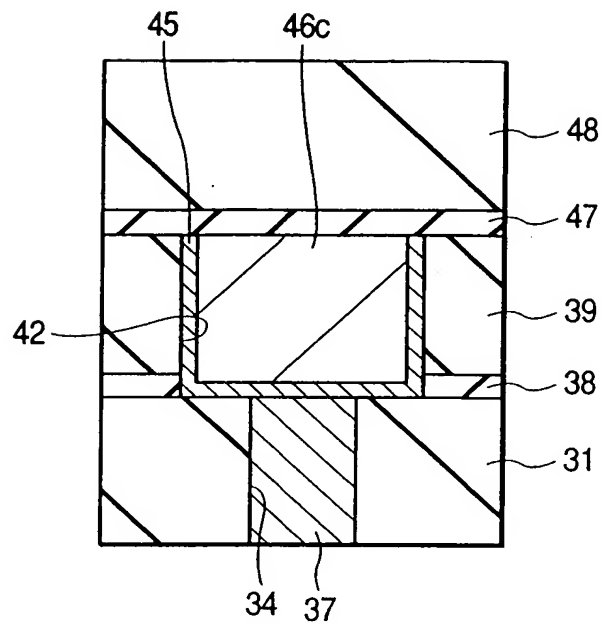


FIG. 60(b)

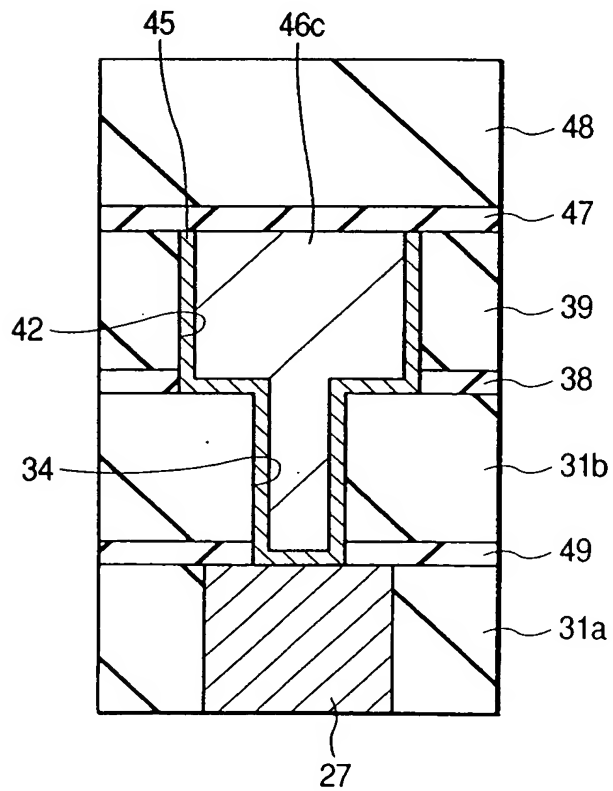


FIG. 61(a)

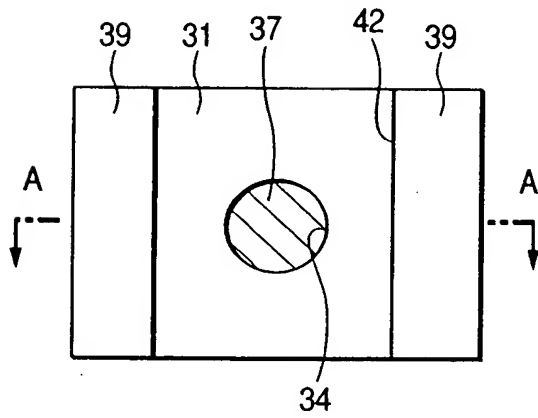


FIG. 61(b)

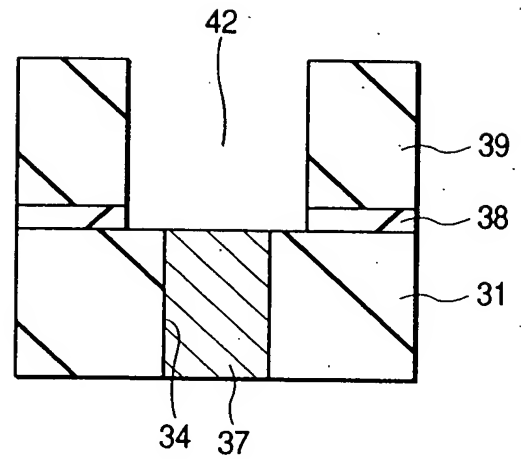


FIG. 62(a)

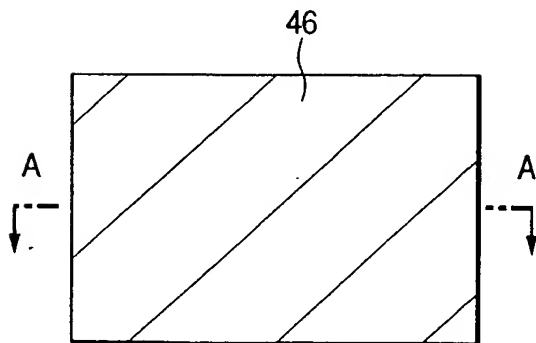


FIG. 62(b)

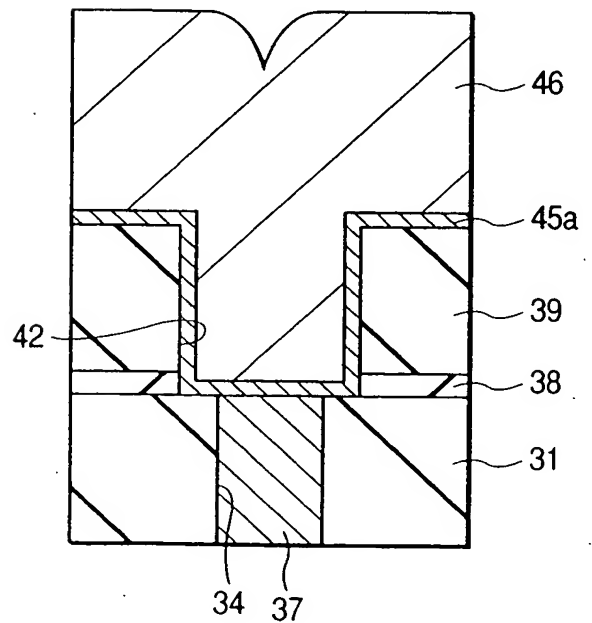


FIG. 63(a)

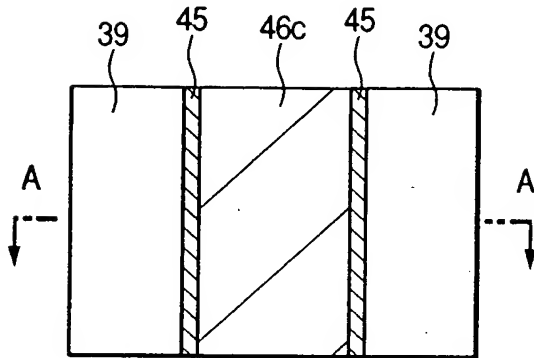


FIG. 63(b)

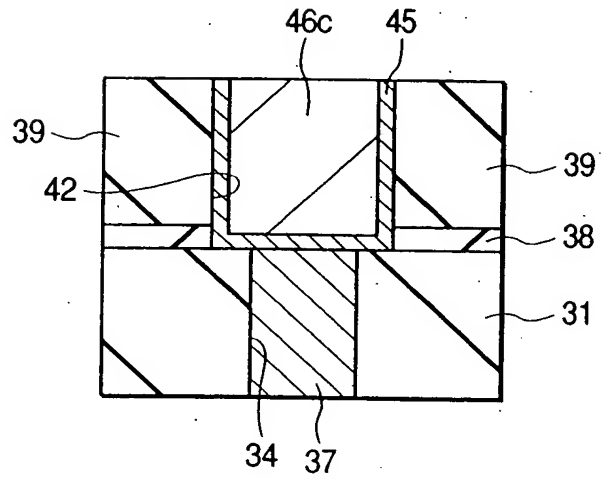


FIG. 64(a)

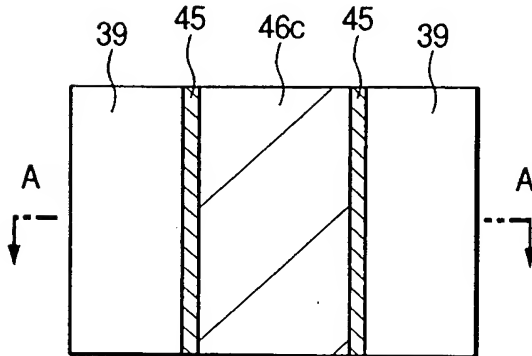


FIG. 64(b)

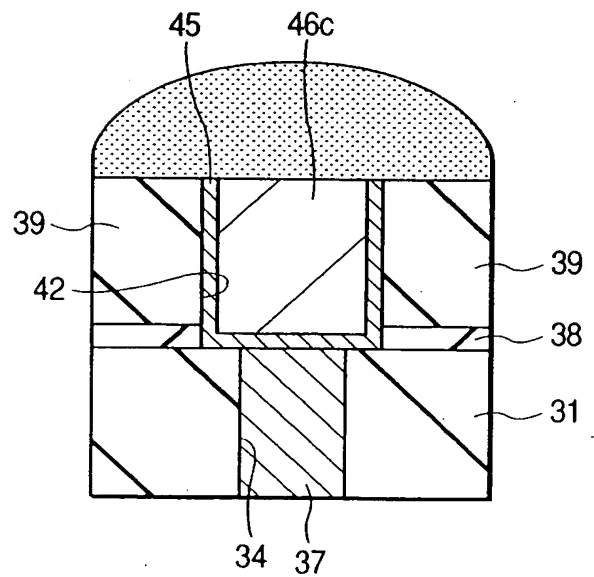


FIG. 65(a)

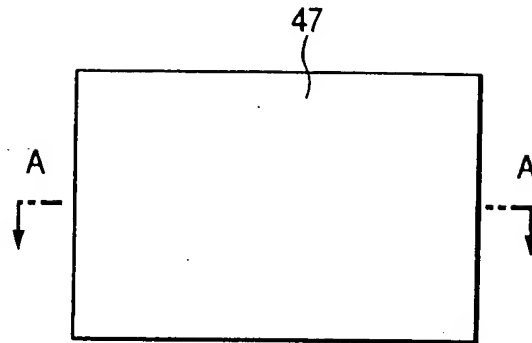


FIG. 65(b)

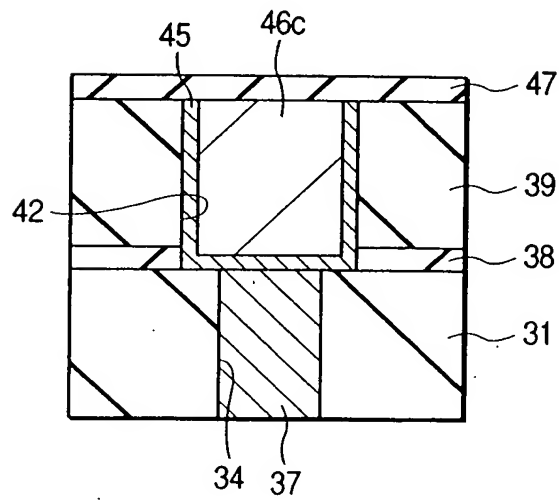


FIG. 66(a)

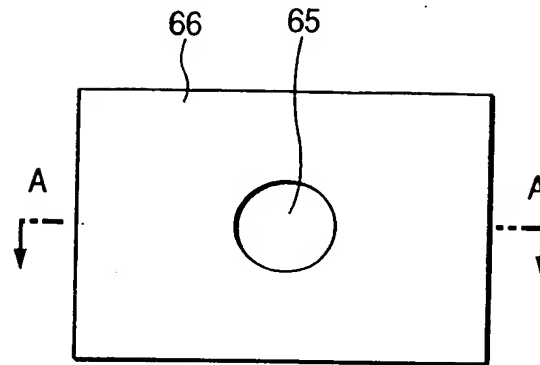


FIG. 66(b)

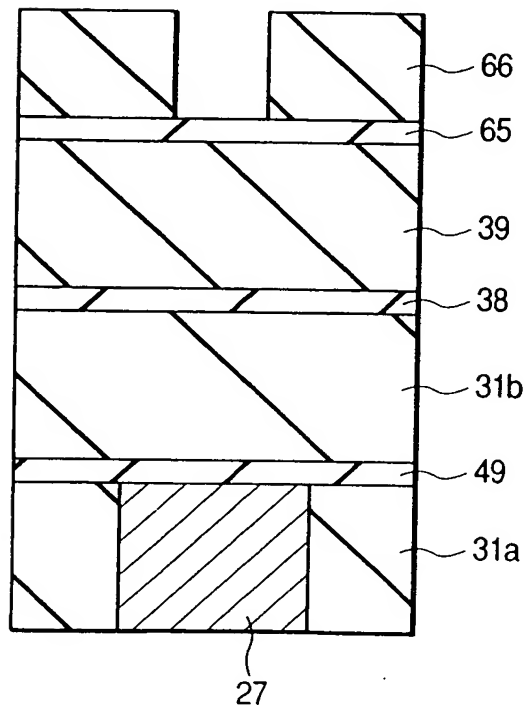


FIG. 67(a)

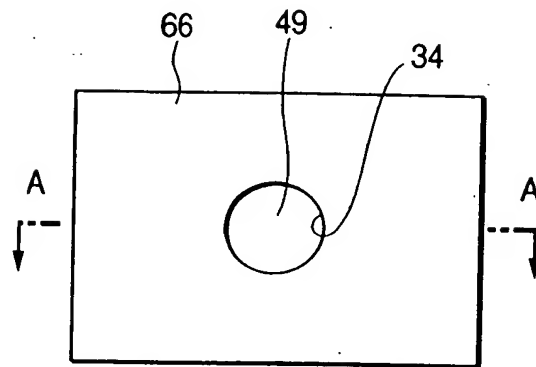


FIG. 67(b)

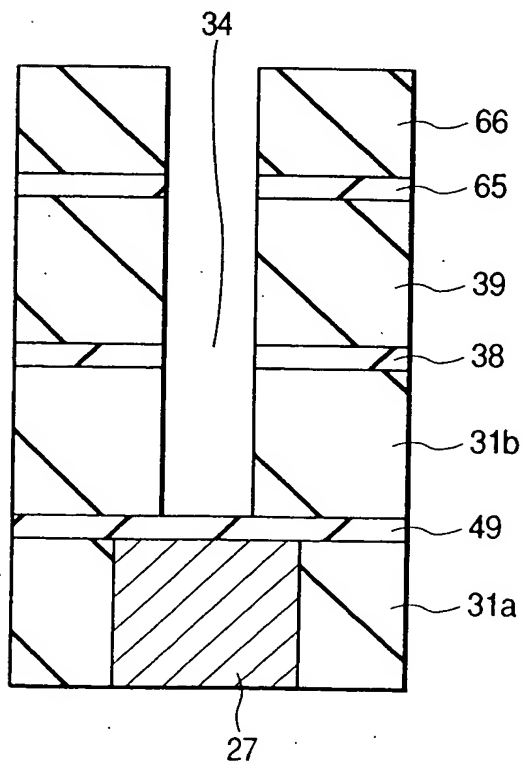


FIG. 68(a)

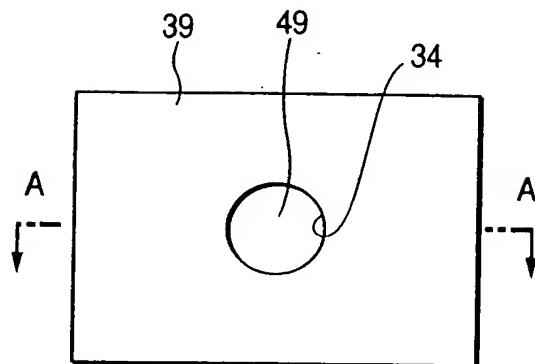


FIG. 68(b)

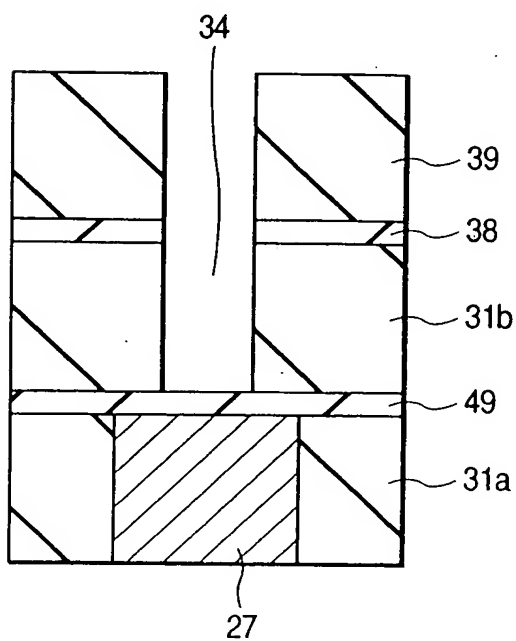


FIG. 69(a)

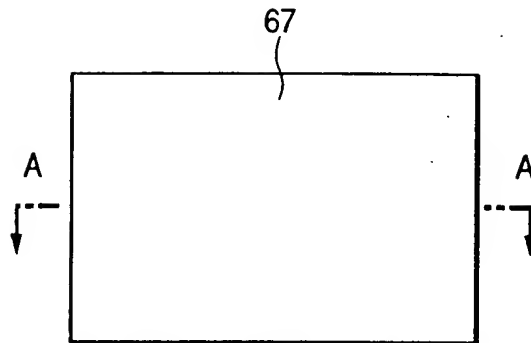


FIG. 69(b)

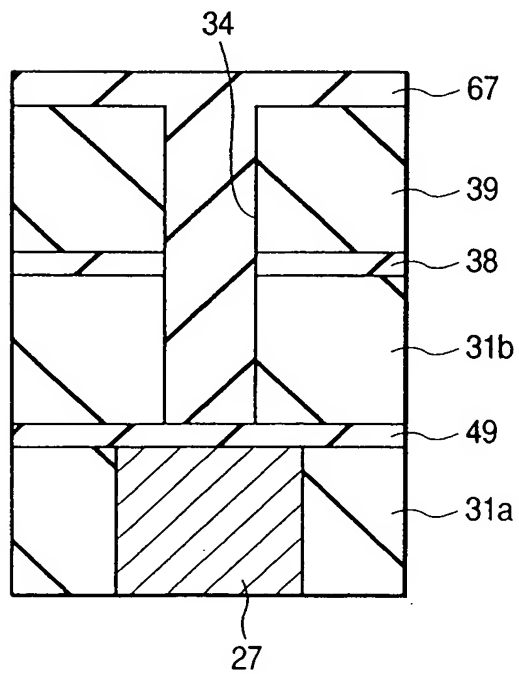


FIG. 70(a)

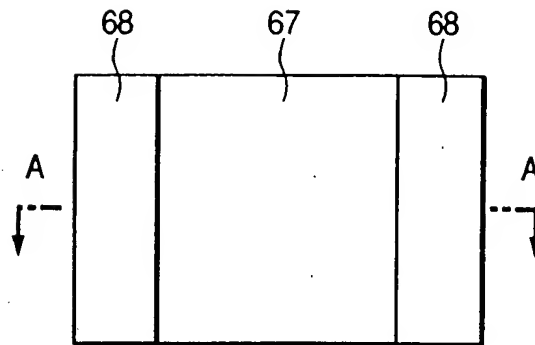


FIG. 70(b)

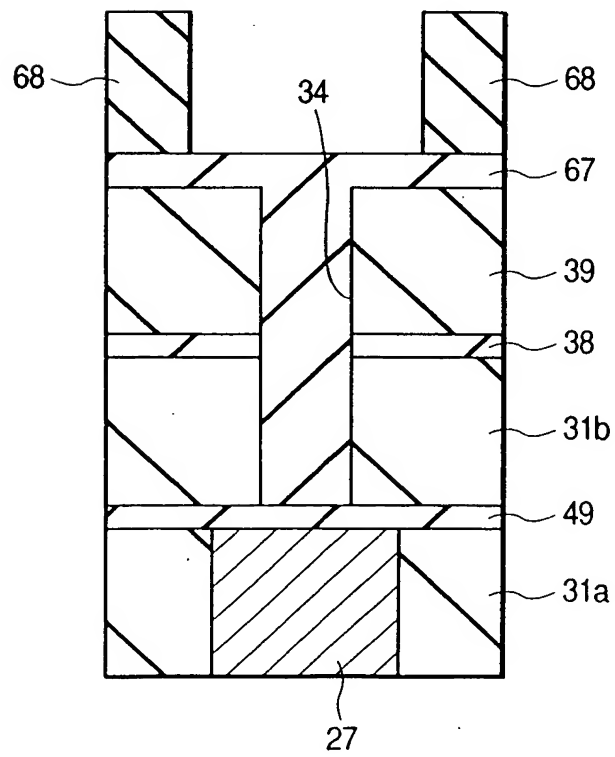


FIG. 71(a)

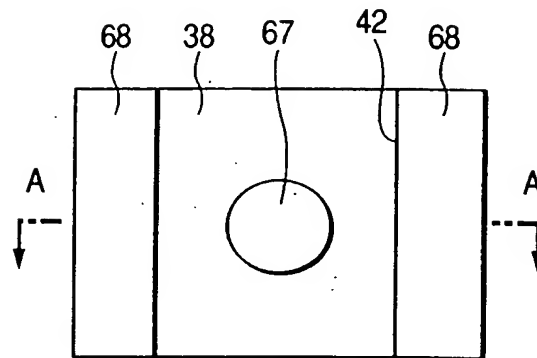


FIG. 71(b)

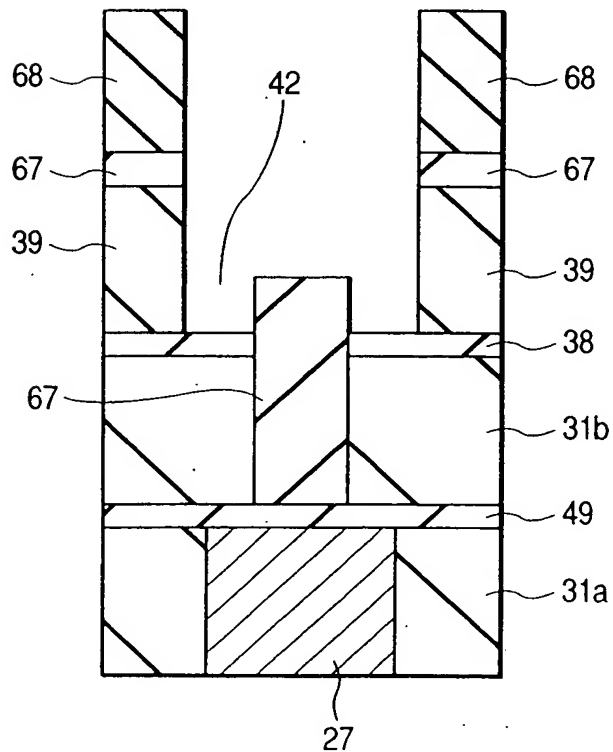


FIG. 72(a)

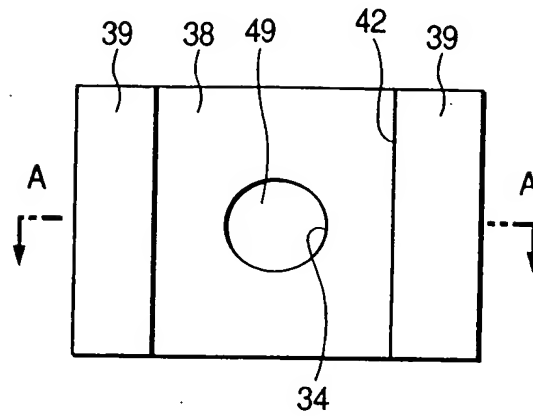


FIG. 72(b)

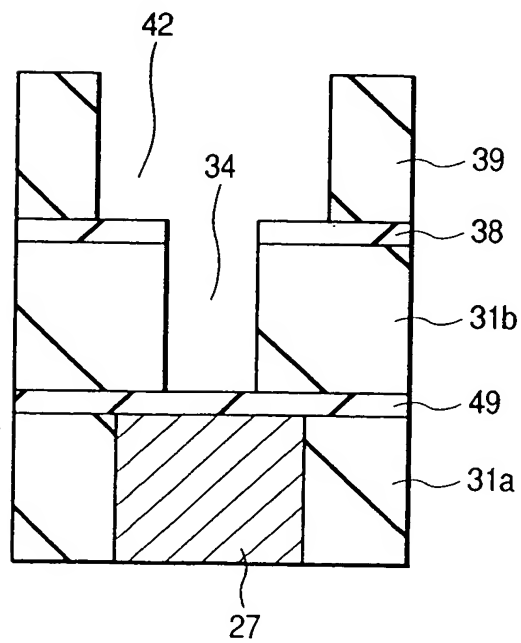


FIG. 73(a)

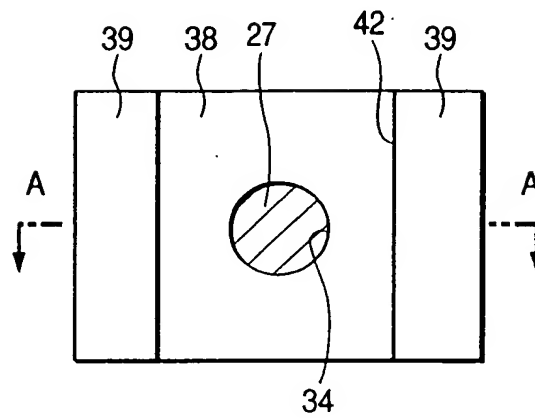


FIG. 73(b)

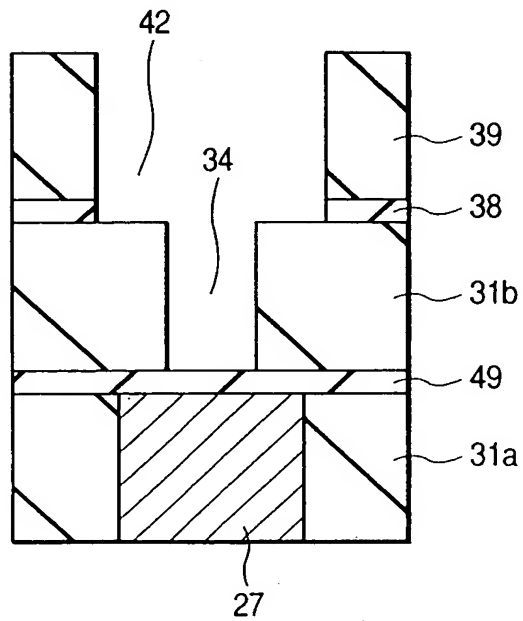


FIG. 74(a)

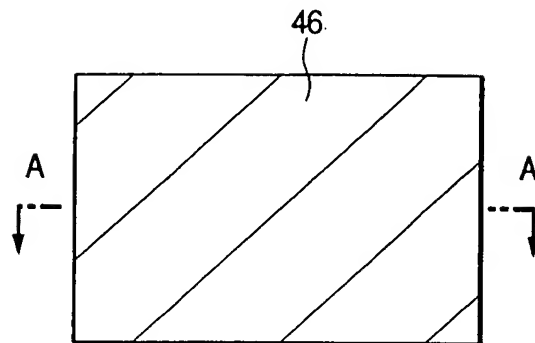


FIG. 74(b)

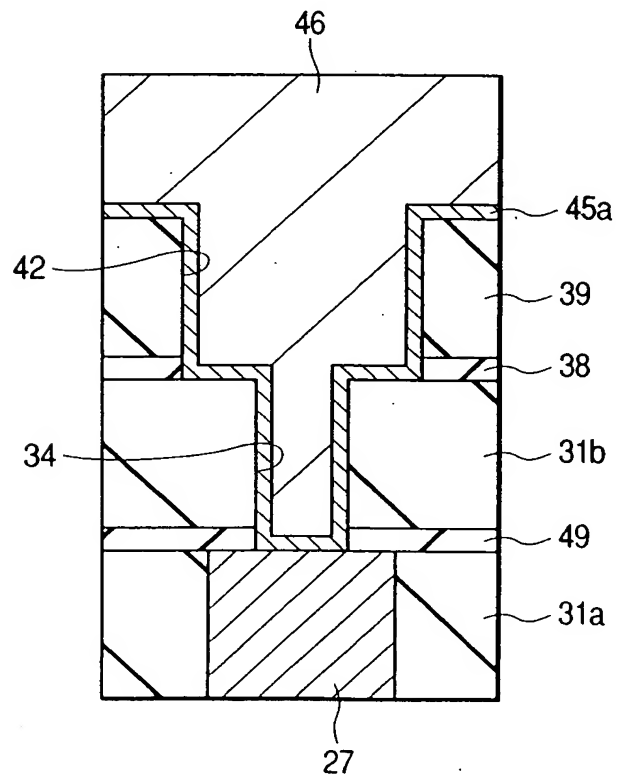


FIG. 75(a)

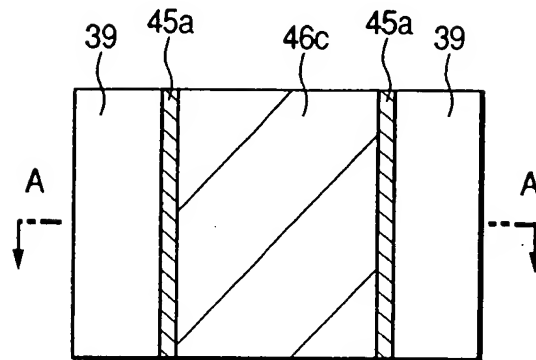


FIG. 75(b)

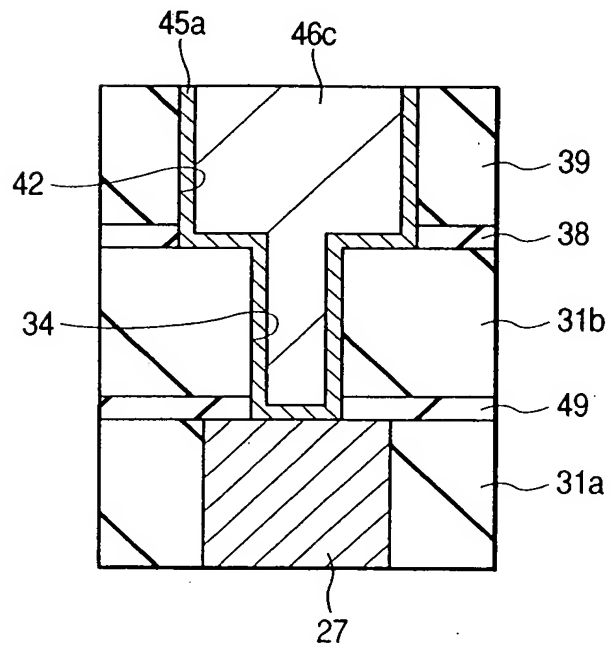


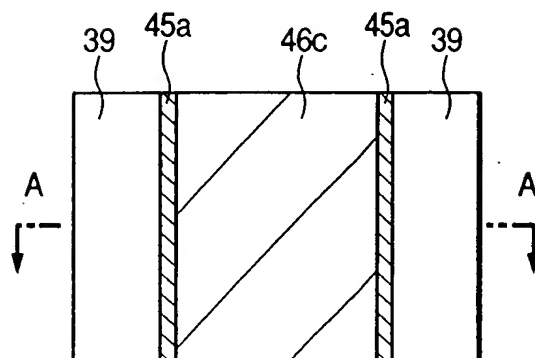
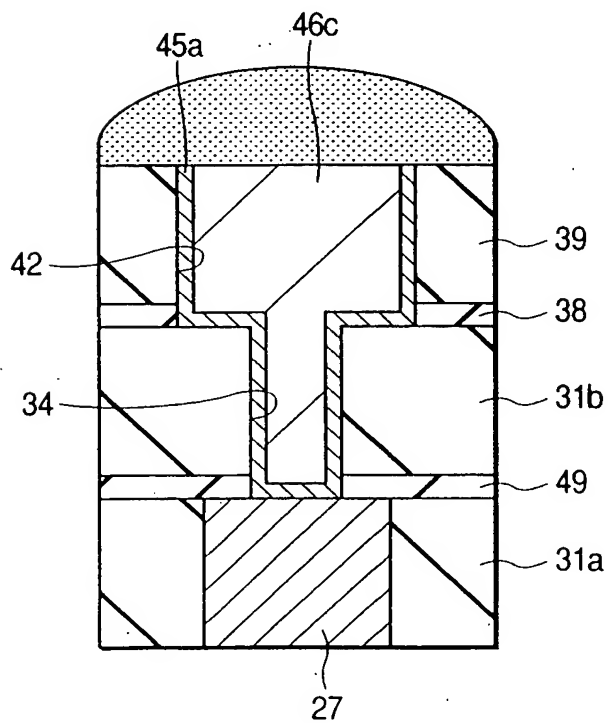
FIG. 76(a)*FIG. 76(b)*

FIG. 77(a)

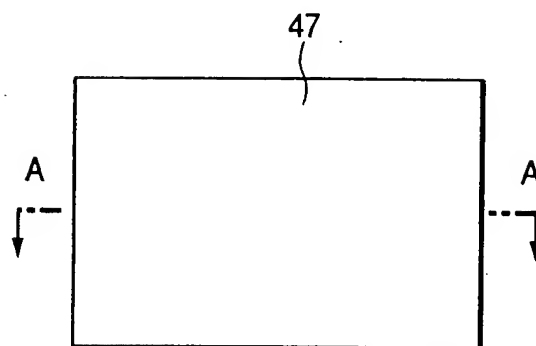


FIG. 77(b)

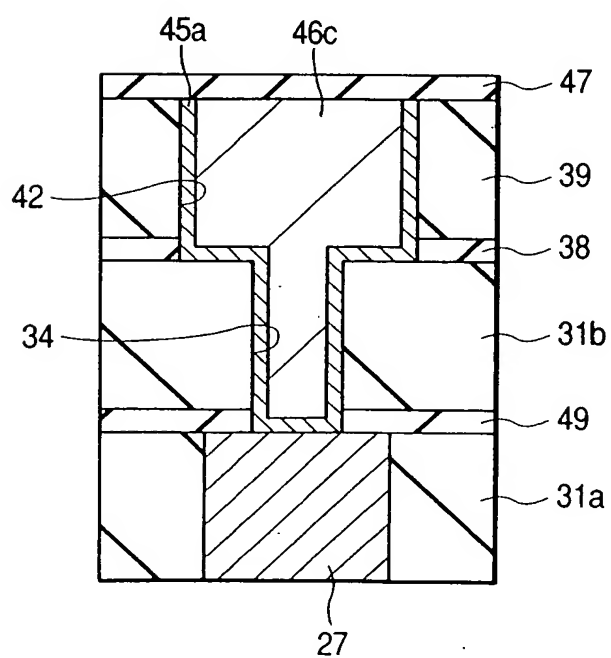


FIG. 78(a)

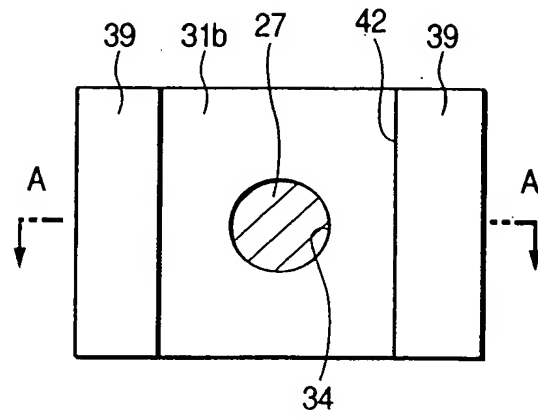


FIG. 78(b)

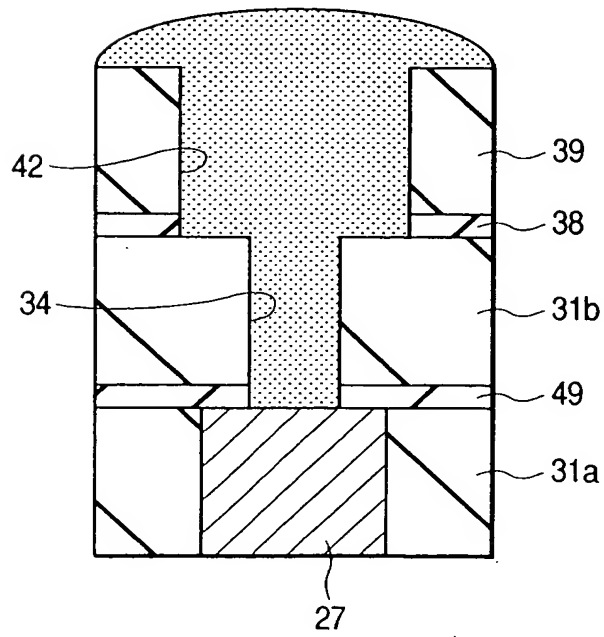


FIG. 79(a)

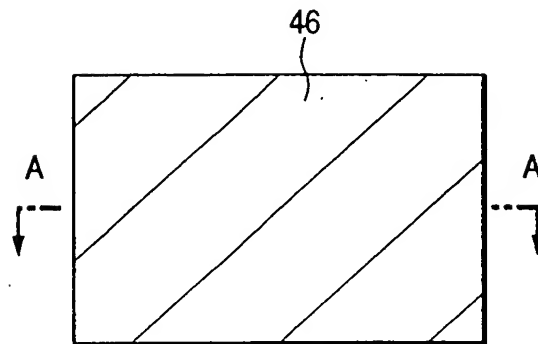


FIG. 79(b)

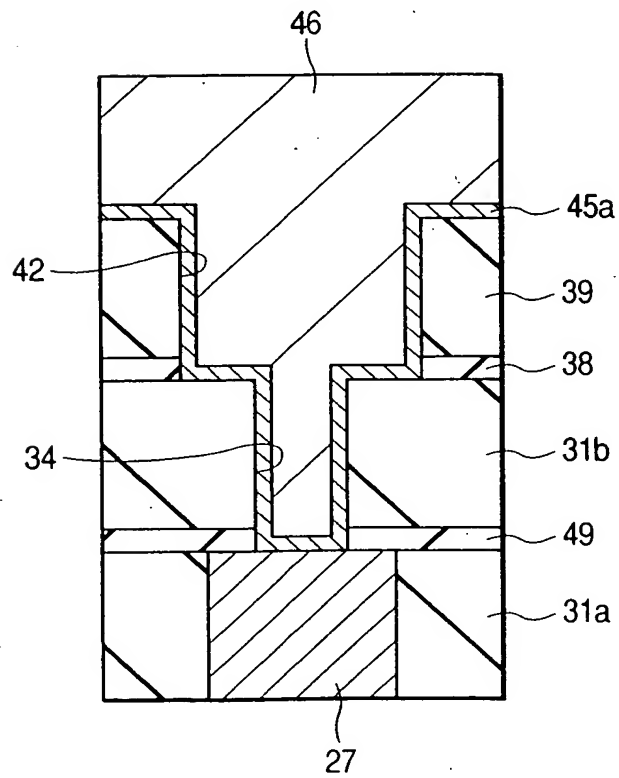


FIG. 80(a)

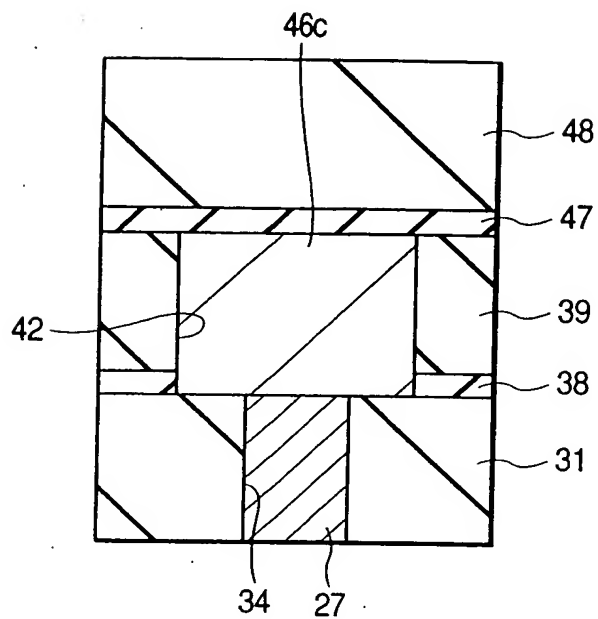


FIG. 80(b)

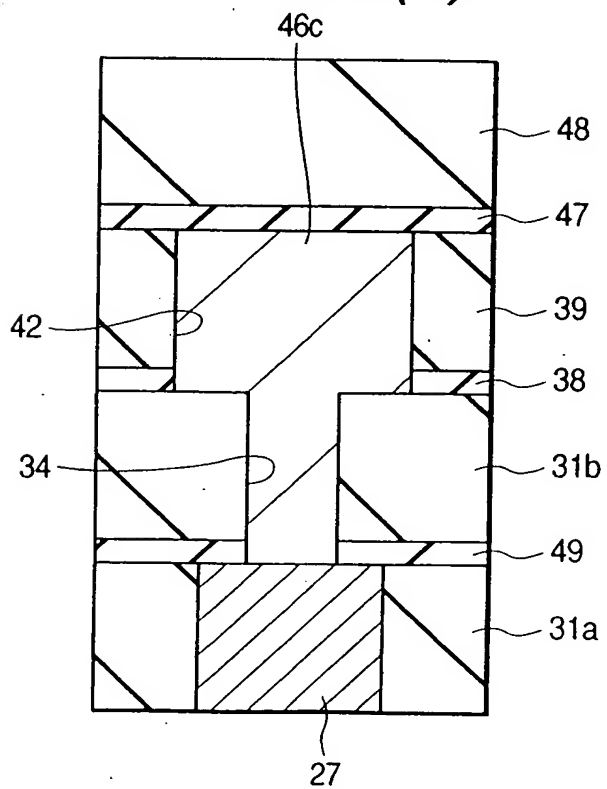


FIG. 81(a)

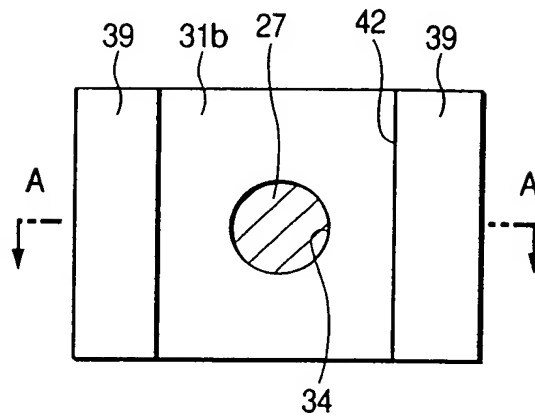


FIG. 81(b)

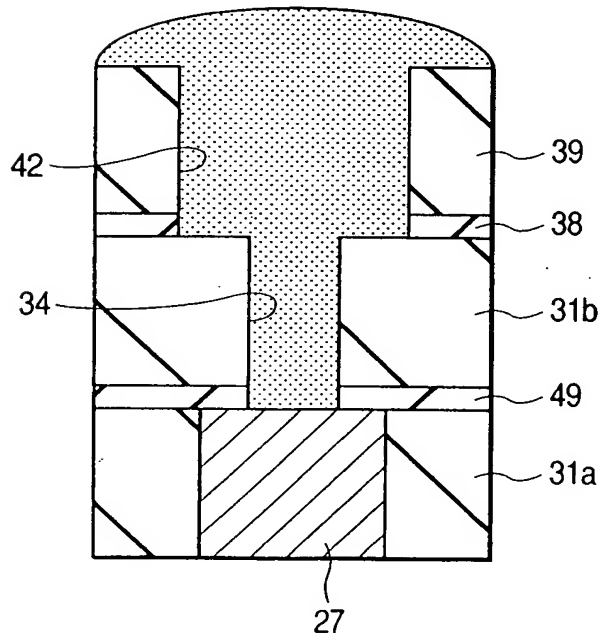


FIG. 82(a)

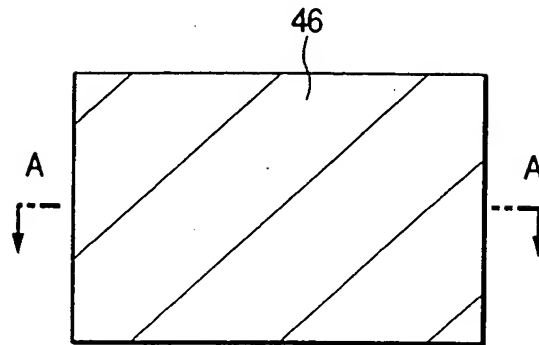


FIG. 82(b)

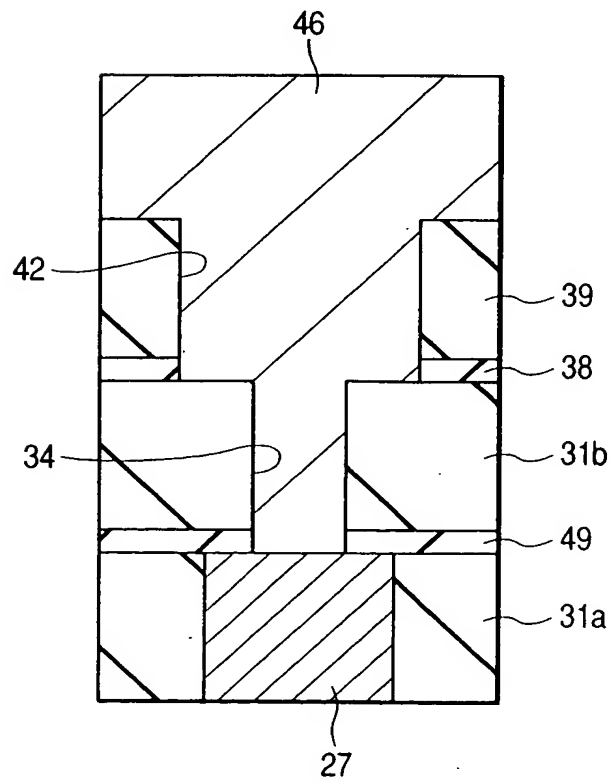


FIG. 83(a)

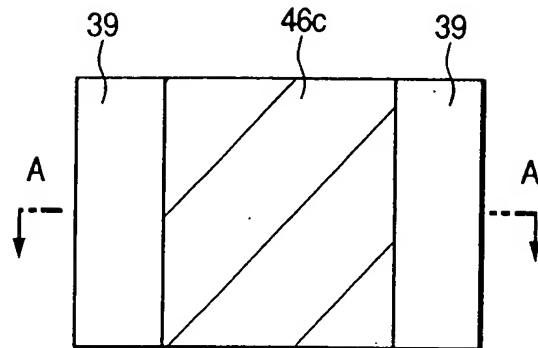


FIG. 83(b)

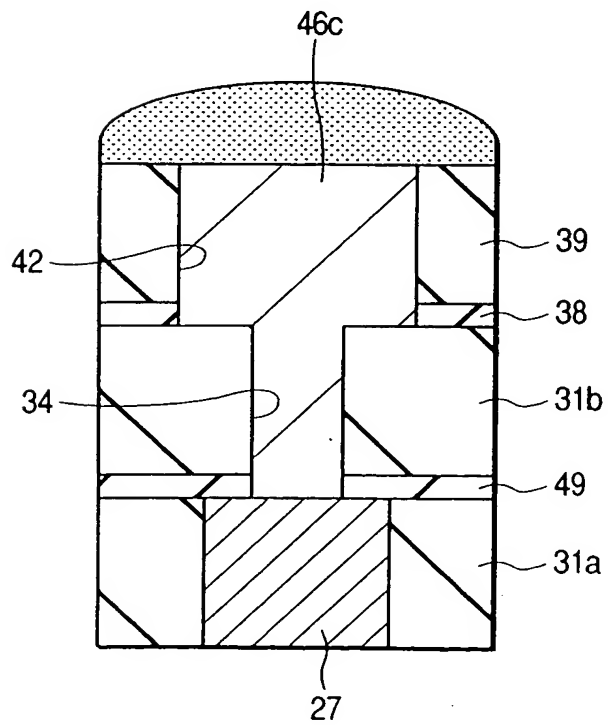


FIG. 84(a)

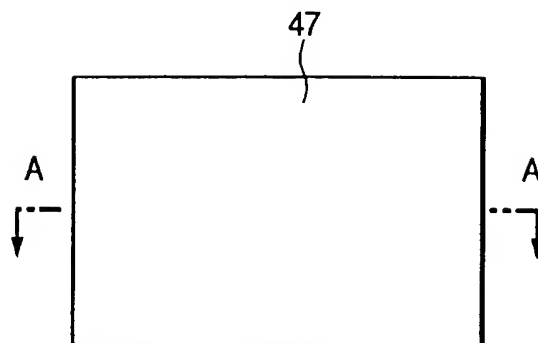


FIG. 84(b)

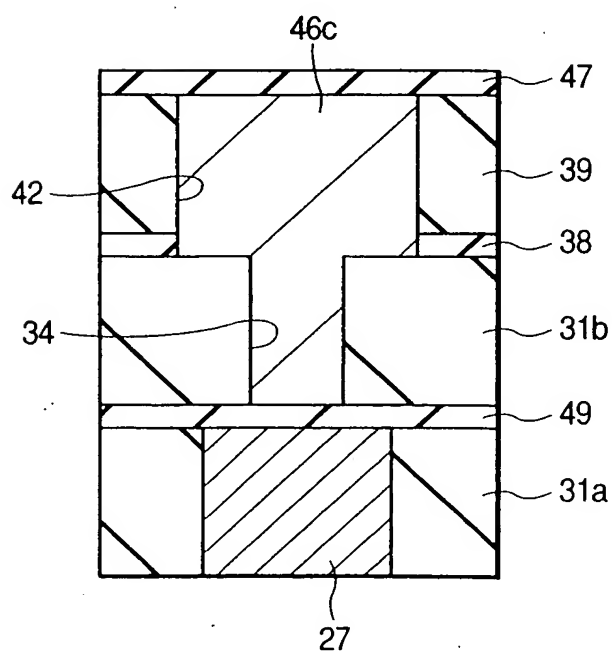


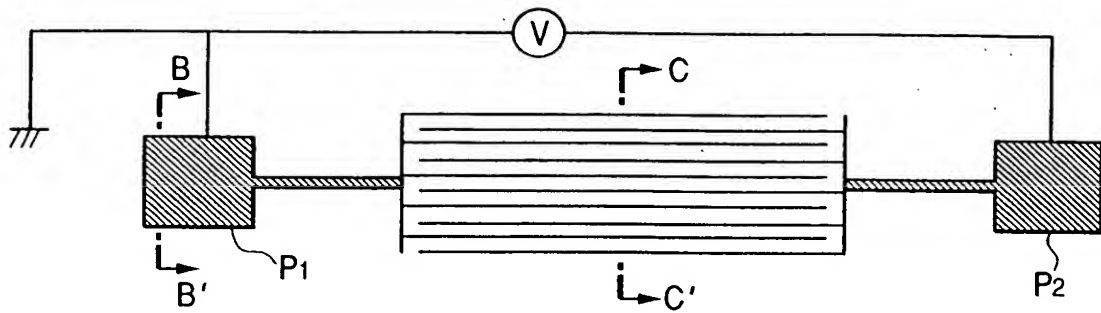
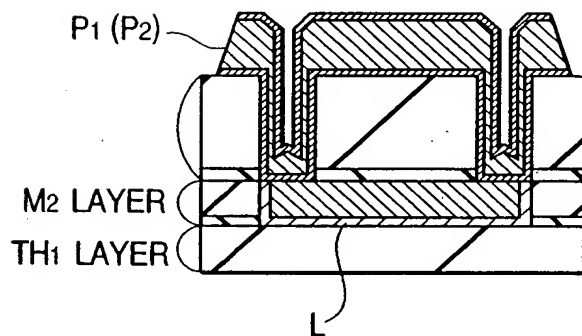
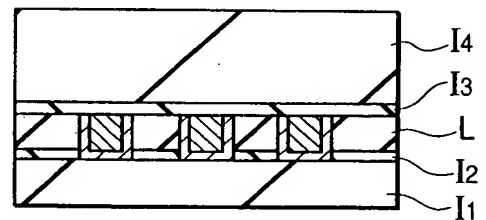
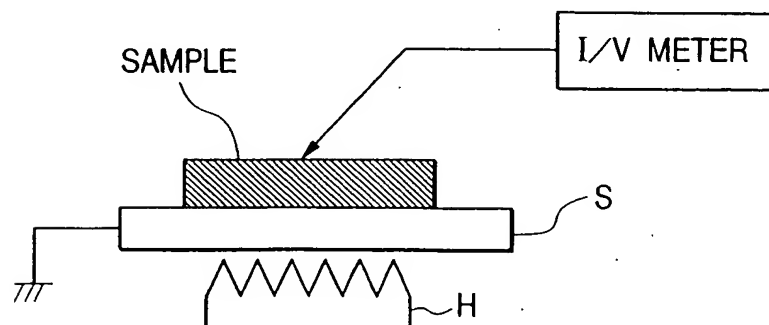
FIG. 85(a)*FIG. 85(b)**FIG. 85(c)**FIG. 86*

FIG. 87

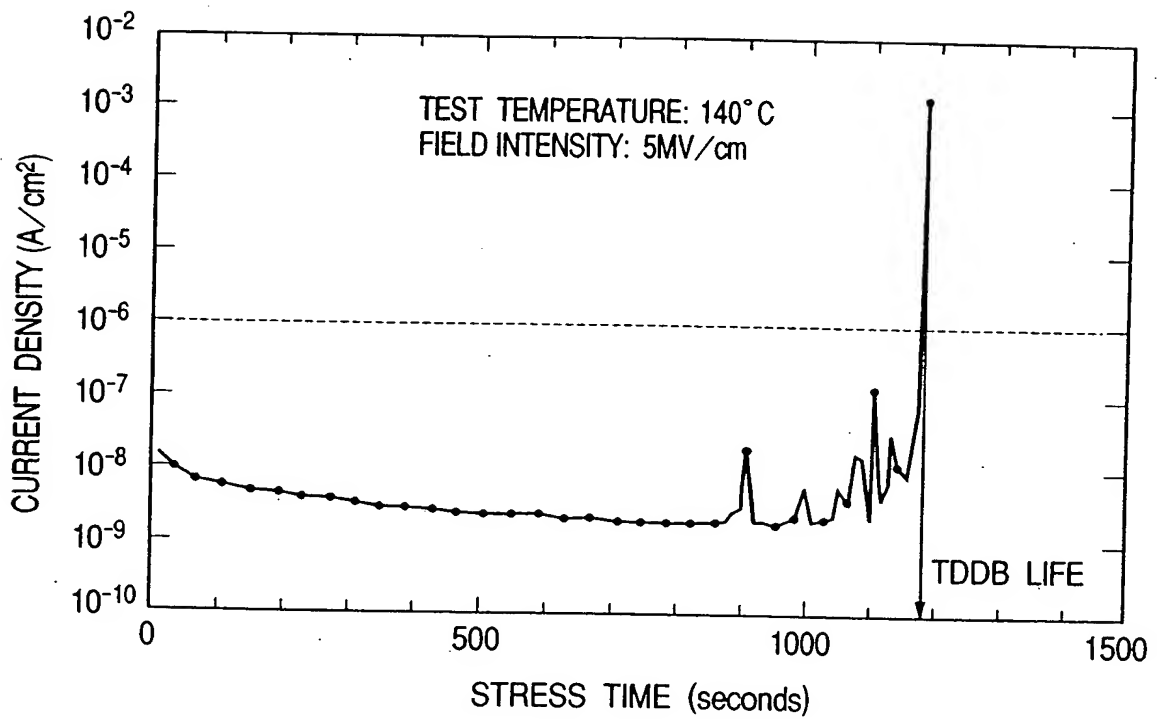


FIG. 88